205631

STIC EIC 2100
Search Request Form

Today's Date: October 25, 2006

What date would you like to use to limit the search?
Priority Date: Other:

Name Susan Rayyan
AU 2167 Examiner # 77889
Room # 3C-05 Phone X1625
Serial # 10/736,999

Format for Search Results (Circle One):
(PAPER) DISK EMAIL

Where have you searched so far?
(USP) DWPI (EPO) (JPO) ACM IBM TDB
IEEE INSPEC SPI Other _____

Is this a "Fast & Focused" Search Request? (Circle One) (YES) NO
A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at http://ptoweb/patents/stic/stic-tc2100.htm.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Is this request for a BOARD of APPEALS case? (Circle One) YES (NO)

Inventor: Gavriela D. Lavie
assignee: Veritas Operating Corp/Precise Software Solutions
Title Cause + Effect methodology for monitoring database performance
assignee performance monitoring

- detecting change to computing environment (database)
- predicting a set of outcomes (results) from said change
- monitoring computing environment to determined if any of the outcomes has occurred
- reporting that 1 or more outcomes has occured
  - outcomes predicted based on predictive rules
  - historical baseline
  - sampling technique: # + types of transactions, timing info. assoc. w/ trans., database schema chan, user settings changed

Priority 12/16/03

STIC Searcher BMims Phone 2-3528
Date picked up 10/25/06 Date Completed 10/25/06

Search and Information Resources Administration

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Set     Items   Description
S1     247593   DATABASE? OR DATABANK? OR DATA()(BASE? ? OR BANK? ? OR FIL-
            E? ? OR REPOSITOR? OR WAREHOUSE?) OR DB OR RDB OR OODB OR ODBC
             OR DBMS
S2      27329   S1(7N)(EVENT? ? OR CHANG??? OR PERFORM? OR TRANSACT? OR FL-
            UCTUAT? OR DIFFEREN? OR OCCURR? OR ANOMAL? OR ABERR?)
S3       5748   S1(7N)(FAULT? OR FAILUR? OR FAIL? ? OR FAILING? OR PROBLEM?
             OR ERROR? OR MISTAKE? OR MALFUNCTION? OR TROUBL? OR SYMPTOM?)
S4        301   S2:S3(7N)(FUTUR? OR LATER OR FORTHCOMING OR PROSPECT? OR N-
            EXT OR SUBSEQUENT?)
S5       4976   S2:S3(7N)(IDENTIF? OR COMPAR? OR DETERMIN? OR DISCERN? OR -
            JUDG??? ? OR ANALY? OR RECOGNI?)
S6       2479   S2:S3(7N)(MONITOR? OR INSPECT? OR DETECT? OR CHECK? OR UNC-
            OVER? OR REVEAL? OR DISCOVER?)
S7         65   S5:S6(7N)(CONTINU? OR CONSTANT? OR PERPET? OR STEAD? OR RE-
            GULAR? OR NONSTOP)
S8        511   S2:S4(7N)(PREDICT? OR FORECAST? OR ANTICIPAT? OR FORE??? ?
            OR PROGNOST? OR JUDG??? ?)
S9       2453   S2:S4(7N)(GUESS? OR DETERMIN? OR ESTIMAT? OR CALCULAT? OR -
            FORMULAT?)
S10       861   S5:S9(7N)(RECORD? OR DOCUMENT? OR LOG OR LOGGED OR LOGGING
            OR LOGS OR CHRONICL? OR ARCHIV? OR REPORT?)
S11       145   S10(7N)(DELIVER? OR SEND??? OR SENT OR UPLOAD? OR TRANSMI?
            OR BEAM??? OR PROVID? OR SUPPLY? OR INPUT? OR ENTER?)
S12       125   S10(7N)(RECEIV? OR ACCEPT? OR ACQUIR? OR OBTAIN? OR PULL??-
            ?()DOWN?? OR PROCUR??? OR GET? ? OR FETCH??? OR RETRIEV? OR D-
            OWNLOAD?)
S13     52834   S1(7N)(MANAG? OR DIRECT? OR ADMINISTRAT? OR REGULAT? OR CO-
            NTROL? OR SUSTAIN? OR ORDER??? OR MAINTAIN?)
S14       336   S5:S6 AND S8
S15         3   S14 AND (AGAIN OR BACK OR RE)(5N)S5:S6
S16         1   S14 AND S5:S6(3N)S4 AND S11:S12
S17       332   S14 NOT S15:S16
S18         7   S17 AND S5:S6(3N)S4
S19       325   S17 NOT S18
S20        76   S19 AND S13
S21        76   S20 AND S8
S22         0   S21 AND S7
S23        11   S21 AND S2:S3(5N)(MONITOR? OR DETECT? OR IDENT?)
File 350:Derwent WPIX 1963-2006/UD=200668
        (c) 2006 The Thomson Corporation
File 347:JAPIO Dec 1976-2006/Jan(Updated 061009)
        (c) 2006 JPO & JAPIO
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4/69,K/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0011143637 - Drawing available
WPI ACC NO: 2002-080532/200211
XRPX Acc No: N2002-059948
Maintenance management device for computer system, forecasts future failure results with respect to each event from the failure result, if estimated time difference between events satisfies set limit
Patent Assignee: MITSUBISHI ELECTRIC CORP (MITQ)
Inventor: HASEGAWA S; IWAKI Y; KITADE H; SHIMADA W
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
JP 2001331350	A	20011130	JP 2000147158	A	20000519	200211 B

Priority Applications (no., kind, date): JP 2000147158 A 20000519

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 2001331350	A	JA	11	18	

Alerting Abstract JP A
NOVELTY - The time difference for each event occurred is computed, when combination of several events described in a record file (21b) is present in related database (21d). If the time difference satisfies specific limits, a monitoring unit (21c) forecasts **future** failure **result** with respect to each **event** , by acquiring **failure** results from the **database** .
USE - For maintenance management of computer system used for control of a power plant or industrial plant.
ADVANTAGE - Forecasts the serious failure generated inside computer reliably, thereby failure is responded quickly.
DESCRIPTION OF DRAWINGS - The figure shows the block diagram of maintenance management device. (Drawing includes non-English language text).
21b Record file
21c Monitoring unit
21d Database

Title Terms/Index Terms/Additional Words: MAINTAIN; MANAGEMENT; DEVICE; COMPUTER; SYSTEM; FORECAST; FUTURE; FAIL; RESULT; RESPECT; EVENT; ESTIMATE; TIME; DIFFER; SATISFY; SET; LIMIT

Class Codes
International Classification (Main): G06F-011/34

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-G05C1

...related database (21d). If the time difference satisfies specific limits, a monitoring unit (21c) forecasts **future** failure **result** with respect to each **event** , by acquiring **failure** results from the **database** .

18/69,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0015779620 - Drawing available
WPI ACC NO: 2006-341016/200635
Related WPI Acc No: 2003-016662
XRPX Acc No: N2006-288983
Interactive distributed gaming apparatus for football, has remote terminal that submits next play prediction to game server and updates participant score based on actual play outcome and next play prediction
Patent Assignee: FERNANDES J M D V (FERN-I); JORDAN K W (JORD-I)
Inventor: FERNANDES J M D V; JORDAN K W
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20060089199	A1	20060427	US 2000252118	P	20001120	200635 B
			US 2001989258	A	20011120	
			US 200532683	A	20050110	
			US 2005115976	A	20050427	

Priority Applications (no., kind, date): US 200532683 A 20050110; US 2001989258 A 20011120; US 2000252118 P 20001120; US 2005115976 A 20050427

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20060089199	A1	EN	23	12	Related to Provisional US 2000252118 Continuation of application US 2001989258 Continuation of application US 200532683 Continuation of patent US 6840861

Alerting Abstract US A1

NOVELTY - A game server (904) determines play stop state and receives next play prediction such as scoring prediction during submit prediction mode over communication interface. A remote terminal submits next play prediction to server, updates participant score based on actual play outcome and next play prediction and updates participant score based on defensive play outcome.

USE - For football, baseball, hockey, chess, billiards and bowling.

ADVANTAGE - Interactive distributed game is played efficiently in real time.

DESCRIPTION OF DRAWINGS - The figure shows a schematic diagram of interactive track zone network.

900 interactive track zone network
904 game server
918 television transmitter system
936 answering server
940 database manager

Title Terms/Index Terms/Additional Words: INTERACT; DISTRIBUTE; GAME; APPARATUS; FOOTBALL; REMOTE; TERMINAL; SUBMIT; PLAY; PREDICT; SERVE; UPDATE; PARTICIPATING; SCORE; BASED; ACTUAL

Class Codes
International Classification (+ Attributes)
IPC + Level Value Position Status Version
A63F-0009/24 A I F B 20060101

File Segment: EngPI; EPI;
DWPI Class: T01; W04; W05; P36
Manual Codes (EPI/S-X): T01-N01B1; W04-X02A; W05-D08C

Original Publication Data by Authority

Original Abstracts:
...a method for playing an interactive real time distributed game including receiving at a scoring **database** a **next** play **prediction** for a sporting **event** from a remote terminal, **determining** an actual play outcome for the sporting event, transmitting an actual play outcome representation to ...

18/69,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0013449850 - Drawing available
WPI ACC NO: 2003-541137/
Related WPI Acc No: 2003-866085
XRPX Acc No: N2003-429223
Semiconductor manufacture control method involves predicting measurements based on model, if determined **that measurements are missed from** database **, after which** error **for calculating** next **process input is** determined
Patent Assignee: BROOKS AUTOMATION INC (BROO-N); PRI AUTOMATION INC (PRIA-N)
Inventor: EDWARDS K A; MULLINS J A; ZOU J
Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20030078680	A1	20030424	US 200146359	A	20011023	200351 B
US 6725098	B2	20040420	US 200146359	A	20011023	200427 E

Priority Applications (no., kind, date): US 200146359 A 20011023

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20030078680	A1	EN	10	4	

Alerting Abstract US A1

NOVELTY - The measurements of process output is stored in a database, based on timestamp. The data (228) in the database is iterated to estimate a process state. If determined that the measurements are missed from the database, the missed measurements are predicted based on the model (262), after which an error for calculating a next process input is determined based on stored data.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1.control system;

2.semiconductor manufacture controlling apparatus; and

3.computer program product.

USE - For controlling semiconductor manufacturing process.

ADVANTAGE - Provides efficient and accurate semiconductor manufacturing system, by predicting the measurements missed from the database.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of control system.

200 control system
202 controller
228 data
262 model

Title Terms/Index Terms/Additional Words: SEMICONDUCTOR; MANUFACTURE; CONTROL; METHOD; PREDICT; MEASURE; BASED; MODEL; DETERMINE; MISS; DATABASE; AFTER; ERROR; CALCULATE; PROCESS; INPUT

Class Codes
International Classification (Main): G05B-013/02, G06F-017/60

File Segment: EPI;
DWPI Class: T01; T06; U11

Manual Codes (EPI/S-X): T01-J03; T01-J07B1; T01-S03; T06-A01; T06-A04B; T06-A05; T06-A07; U11-C15C

Semiconductor manufacture control method involves predicting measurements based on model, if determined **that measurements are missed from** database **, after which** error **for calculating** next **process input is** determined

Original Publication Data by Authority

Original Abstracts:

...process state, and, if one or more of the measurements is missing from the database, **predicting** the missing measurements for the **database** based on a model, and **determining** an **error** for calculating a **next** process input, the **error** based on the data in the **database** .

...

...process state, and, if one or more of the measurements is missing from the database, **predicting** the missing measurements for the **database** based on a model, and **determining** an **error** for calculating a **next** process input, the **error** based on the data in the **database.**

Claims:

...estimate a process state; if one or more of measurements is missing from the database, **predicting** the missing measurements for the **database** based on a model; and **determining** an **error** for calculating a **next** process input, the **error** based on the data in the **database** .

18/69,K/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0012288636 - Drawing available
WPI ACC NO: 2002-229629/
XRPX Acc No: N2002-176603
Future service event predicting system e.g. for aircraft engine, analyzes service information and performance deterioration rate of product and simulates future service events based on compartment failure information
Patent Assignee: GENERAL ELECTRIC CO (GENE)
Inventor: ARAGONES J K; AROGONES J K; STEIN J W
Patent Family (3 patents, 28 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
EP 1160712	A2	20011205	EP 2001304555	A	20010523	200229	B
JP 2002149868	A	20020524	JP 2001154725	A	20010524	200250	E
US 6799154	B1	20040928	US 2000578095	A	20000525	200465	E

Priority Applications (no., kind, date): US 2000578095 A 20000525

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 1160712	A2	EN	22	8	
Regional Designated States,Original: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR					
JP 2002149868	A	JA	41		

Alerting Abstract EP A2
NOVELTY - A statistical analyzer (34) analyzes service information to determine compartment failure information. A rate analyzer (42) analyzes performance deterioration rate of the product from service and performance information in databases (30,40). A simulator (44) simulates distribution of future service events of the product based on compartment failure information and performance deterioration rate analysis.
DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1.Future service event time predicting method;

2.Computer-readable medium storing computer instructions for predicting timing of future service event of product

USE - For predicting timing of future service event for engine in aircraft, vehicle, train, electrical product, mechanical product, chemical product, power system or other hi-tech product.
ADVANTAGE - Provides new technology introduction and higher long term profitability. Provides day-to-day service that is more responsive to customer needs. Leads to better cost projections, more realistic and effective risk management.
DESCRIPTION OF DRAWINGS - The figure shows a schematic diagram of future service event time predicting system of a product that operates on computer system.
30,40 Databases
34 Statistical analyzer
42 Rate analyzer
44 Simulator

Title Terms/Index Terms/Additional Words: FUTURE; SERVICE; EVENT; PREDICT; SYSTEM; AIRCRAFT; ENGINE; ANALYSE; INFORMATION; PERFORMANCE; DETERIORATE; RATE; PRODUCT; SIMULATE; BASED; COMPARTMENT; FAIL

Class Codes
International Classification (Main): G06F-017/60, G06F-009/45
(Additional/Secondary): G06F-017/15, G06F-017/17, G06F-017/18, G06F-019/00

File Segment: EPI;
DWPI Class: T01; W06
Manual Codes (EPI/S-X): T01-J03; T01-J05A2; T01-J05B4P; T01-S01C; T01-S03; W06-B01B5

Original Publication Data by Authority

Original Abstracts:
A system (28) and method for **predicting** timing of **future** service **events** of a product. A **database** (30) contains a plurality of service information and performance information for the product..A statistical...

...A system and method for **predicting** timing of **future** service **events** of a product. A **database** contains a plurality of service information and **performance** information for the product. A statistical **analyzer** analyzes' the plurality of processed service information to determine a plurality of compartment failure information. A...

18/69,K/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0009602333 - Drawing available
WPI ACC NO: 1999-551538/
XRPX Acc No: N1999-408088
Recipe optimizing method for spatial environment
Patent Assignee: LOCKHEED MARTIN IDAHO TECHNOLOGIES CO (LOCK)
Inventor: FINK R K; HEMPSTEAD D W; HESS J R; HOSKINSON R L
Patent Family (2 patents, 82 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 1999046703	A1	19990916	WO 1999US5268	A	19990309	199946 B
AU 199930773	A	19990927	AU 199930773	A	19990309	200006 E

Priority Applications (no., kind, date): US 199877583 P 19980310

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1999046703	A1	EN	56	6	

National Designated States,Original: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW
Regional Designated States,Original: AT BE CH CY DE DK EA ES FI FR GB GH GM GR IE IT KE LS LU MC MW NL OA PT SD SE SL SZ UG ZW

AU 199930773	A	EN			Based on OPI patent WO 1999046703

Alerting Abstract WO A1
NOVELTY - A spatial database having multiple facts associated with the spatial environment is defined. The facts are analyzed to determine if the facts are feasible. A recipe for the spatial environment is devised from the facts that are determined to be feasible. The facts that are determined to be feasible are instructions to be performed on the spatial environment to achieve an optimum result.
DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1.a computer-readable medium storing instructions for the recipe optimizing method;

2.a split recipe optimizing method;

3.a fertilizer recipe optimizing method;

4.an irrigation recipe optimizing method;

5.and an optimizing method of recipe for multiple schedules for use with an agricultural field.

USE - For optimizing recipe e.g. split recipe, fertilizer recipe and irrigation recipe used in spatial environment e.g. agricultural field. For soil management and crop production.
ADVANTAGE - Improves optimization of recipe by utilizing expert systems. Reduces environmental pollution and energy waste. Provides knowledge database processing system which promotes user's judgment by combining relevant historical information together with current and predicted information to expand knowledge of database by feeding back a result of an actual or predicted event.
DESCRIPTION OF DRAWINGS - The figure shows a process flowchart of the recipe optimizing method for spatial environment.

Title Terms/Index Terms/Additional Words: RECIPE; METHOD; SPACE; ENVIRONMENT

Class Codes
International Classification (Main): G06F-017/40
(Additional/Secondary): A01C-015/00, G06F-019/00

File Segment: EngPI; EPI;
DWPI Class: T01; T06; X25; P11
Manual Codes (EPI/S-X): T01-H01C4; T01-H07C7C; T01-J05B4A; T01-J06B1; T01-J07B1; T01-J16C; T06-D01; X25-N
Original Publication Data by Authority

Original Abstracts:
...the generation of both historic statements (110) and facts gathered from historic (112), present and **future** predicted **events** (114). Once the spatial **database** is generated, the facts are iteratively **analyzed** against the current statements (104) to see if they can or cannot be executed. If...

18/69,K/6 (Item 6 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0008276867 - Drawing available
WPI ACC NO: 1997-385529/199735
Related WPI Acc No: 2002-415849; 2003-067066; 2003-656531
XRPX Acc No: N1997-320910
Business performance forecasting system - in which information stored in sales history database and weather forecast history database are analysed to estimate future retail performance of products at stores
Patent Assignee: PLANALYTICS INC (PLAN-N); STRATEGIC WEATHER SERVICES (STRA-N)
Inventor: CAINE D; FOX D; FOX F; FOX F D; LIGHT C; LIGHT H; LIGHT H C; MANN S; PEARSON D; PEARSON D R; PEARSON R; RODRIGUEZ M; RODRIGUEZ S; RODRIGUEZ S M; SHAPIRO M; SHAPIRO R; SHAPIRO R M
Patent Family (8 patents, 73 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
WO 1997026613	A1	19970724	WO 1997US1075	A	19970121	199735	B
AU 199718365	A	19970811	AU 199718365	A	19970121	199747	E
US 5832456	A	19981103	US 1996588248	A	19960118	199851	E
EP 954814	A1	19991110	EP 1997903932	A	19970121	199952	E
			WO 1997US1075	A	19970121		
JP 2000503434	W	20000321	JP 1997526304	A	19970121	200025	E
			WO 1997US1075	A	19970121		
EP 954814	B1	20060405	EP 1997903932	A	19970121	200624	E
			WO 1997US1075	A	19970121		
DE 69735641	E	20060518	DE 69735641	A	19970121	200635	E
			EP 1997903932	A	19970121		
			WO 1997US1075	A	19970121		
US 7103560	B1	20060905	US 1996588248	A	19960118	200660	E
			US 199897714	A	19980616		

Priority Applications (no., kind, date): US 1996588248 A 19960118; US 199897714 A 19980616

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 1997026613	A1	EN	110	42	

National Designated States,Original: AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK TJ TM TR TT UA UG UZ VN
Regional Designated States,Original: AT BE CH DE DK EA ES FI FR GB GR IE IT KE LS LU MC MW NL OA PT SD SE SZ UG

AU 199718365	A	EN		Based on OPI patent WO 1997026613
EP 954814	A1	EN		PCT Application WO 1997US1075
				Based on OPI patent WO 1997026613

Regional Designated States,Original: AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

JP 2000503434	W	JA	110	PCT Application WO 1997US1075
				Based on OPI patent WO 1997026613
EP 954814	B1	EN		PCT Application WO 1997US1075
				Based on OPI patent WO 1997026613

Regional Designated States,Original: AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DE 69735641	E	DE		Application EP 1997903932
				PCT Application WO 1997US1075
				Based on OPI patent EP 954814
				Based on OPI patent WO 1997026613

US 7103560 B1 EN Continuation of application US 1996588248

Continuation of patent US 5832456

Alerting Abstract WO A1

The system for forecasting future retail performance includes a memory unit that stores a sales history database (304), and a weather forecast database (312). An analysis unit (106) determines the extent to which past retail performance of a range of products at a number of locations was affected by weather using the two databases (304, 312). A configuration unit (108), coupled to the analyser (106), estimates expected future retail performance of the products at stores for a number of future time periods using the weather forecast database (312) and results produced by the analyser (106).

A graphical user interface coupled to the analyser (106) and the configurator (108), enables users to view and manipulate results produced by the analyser and the configurator to thereby forecast future retail performance of the products at the locations.

USE - Weather adapted, business performance forecasting for retail industry, and services e.g. construction, utilities, advertising, entertainment and leisure etc.

Title Terms/Index Terms/Additional Words: BUSINESS; PERFORMANCE; FORECAST; SYSTEM; INFORMATION; STORAGE; SALE; HISTORY; DATABASE; WEATHER; ANALYSE; ESTIMATE; FUTURE; RETAIL; PRODUCT

Class Codes

International Classification (Main): G06F-017/00
(Additional/Secondary): G06F-017/30
International Classification (+ Attributes)

IPC + Level Value	Position	Status	Version
G06G-0007/52 A I	L	B	20060101
G06G-0007/52 A I	L		20060101
G06Q-0010/00 A I	F	B	20060101
G06Q-0010/00 A I	F		20060101
G06Q-0010/00 A I		R	20060101
G06F-0017/60 A I	F	B	20051231
G06G-0007/00 C I	L	B	20060101
G06G-0007/00 C I	L		20060101
G06Q-0010/00 C I		R	20060101

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-J05A1; T01-J05B4P

...in which information stored in sales history database and weather forecast history database **are** analysed **to estimate** future **retail** performance **of products at stores**

Original Publication Data by Authority

Claims:

...a weather pattern classification of a weather parameter, a weather history database, and a weather **forecast database** ;(2) **determining** the extent to which past **performance** of the plurality of units at the plurality of locations was affected by weather using...

23/69,K/4 (Item 4 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0013075027 - Drawing available
WPI ACC NO: 2003-155319/
XRPX Acc No: N2003-122514
Method and apparatus for verifying the accuracy of built-in self-test - with the characteristic of providing a preset debug pattern database in addition to the built-in self-test circuit
Patent Assignee: TAIWAN SEMICONDUCTOR MFG CO LTD (TASE-N)
Inventor: CHEN M; SUNG N
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
TW 477898	A	20020301	TW 2000124431	A	20001117	200315 B

Priority Applications (no., kind, date): TW 2000124431 A 20001117

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
TW 477898	A	ZH		1	
TW A					

NOVELTY - In addition to the built-in self-test circuit included in the invented method of verifying the accuracy of built-in self-test, a preset debug pattern database is provided. The preset debug pattern **database** includes preset debug patterns. The preset debug **error detection** patterns are implanted into the characteristic model of the memory in advance before the test is conducted. After that, the verification step is performed, and a comparison is made between output signal and debug patterns in the debug **error detection database** in **order** to **judge** the accuracy of self-test. The apparatus of verifying built-in self-test accuracy contains built-in self-test (BIST) unit, which is used as the control unit generated by self-test, and memory characteristic model, which is coupled with data/address scramble. The test signal generated by the BIST control unit will input the memory characteristic model through data/address scramble to perform the test. The preset debug pattern database coupled with memory characteristic model is used to implant or write a preset debug pattern into the memory characteristic model. And an error comparator is coupled with a preset debug pattern database so as to conduct a comparison between the preset detection pattern and output signal.

Title Terms/Index Terms/Additional Words: METHOD; APPARATUS; VERIFICATION; ACCURACY; BUILD; SELF; TEST; CHARACTERISTIC; PRESET; DEBUG; PATTERN; DATABASE; ADD; CIRCUIT

Class Codes
International Classification (Main): G01R-031/303

File Segment: EPI;
DWPI Class: S01; U11
Manual Codes (EPI/S-X): S01-G01; U11-F01

...built-in self-test, a preset debug pattern database is provided. The preset debug pattern **database** includes preset debug patterns. The preset debug **error detection** patterns are implanted into the characteristic model of the memory in advance before the test...

...performed, and a comparison is made between output signal and debug patterns in the debug **error detection database** in **order** to **judge** the accuracy of self-test. The apparatus of verifying built-in self-test accuracy contains...

23/69,K/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0012846261 - Drawing available
WPI ACC NO: 2002-704763/
Method for checking event **sequence and synchronizing** database **in nms**
Patent Assignee: LG ELECTRONICS INC (GLDS)
Inventor: CHOI J B
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
KR 2002041002	A	20020531	KR 200070719	A	20001125	200276 B

Priority Applications (no., kind, date): KR 200070719 A 20001125

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
KR 2002041002	A	KO	1	10	

Alerting Abstract KR A
NOVELTY - A method for **checking** an event sequence and synchronizing a **database** in an NMS(Network **Management** System) is provided to easily check the sequence of events reported to an EMS(Element Management System)/NMS using a hash table.
DESCRIPTION - An EMS server collects event information provided from network elements. An event server analyzes an event received through a network element operation station and **detects** a sequence **error** (S2). A **database** synchronizer receives an **event** packet transmitted from the event server and **judges** whether an event sequence error is **detected** (S3). If the **event** sequence **error** is **detected** , the **database** synchronizer synchronizes a **database** (S4).

Title Terms/Index Terms/Additional Words: METHOD; CHECK; EVENT; SEQUENCE; SYNCHRONISATION; DATABASE

Class Codes
International Classification (Main): H04L-012/24

File Segment: EPI;
DWPI Class: W01
Manual Codes (EPI/S-X): W01-A06A

Method for checking event **sequence and synchronizing** database **in nms**

Alerting Abstract ...NOVELTY - A method for **checking** an event sequence and synchronizing a **database** in an NMS(Network **Management** System) is provided to easily check the sequence of events reported to an EMS(Element
...
...elements. An event server analyzes an event received through a network element operation station and **detects** a sequence **error** (S2). A **database** synchronizer receives an **event** packet transmitted from the event server and **judges** whether an event sequence error is **detected** (S3). If the **event** sequence **error** is **detected** , the **database** synchronizer synchronizes a **database** (S4).

23/69,K/7 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0008991983 - Drawing available
WPI ACC NO: 1998-547136/
XRPX Acc No: N1998-426366
Customer category information extraction method from database - involves judging **rule for category information extraction from preprocessed** event **data extracted from** database
Patent Assignee: IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC)
Inventor: BOB C C L; CHEN M; LIANG B C; MIN-SHAN C; PHILIP S Y; YU P S
Patent Family (2 patents, 2 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
JP 10240770	A	19980911	JP 199834509	A	19980217	199847	B
US 5832482	A	19981103	US 1997804128	A	19970220	199851	E

Priority Applications (no., kind, date): US 1997804128 A 19970220

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 10240770	A	JA	12	7	

Alerting Abstract JP A
The method involves choosing event data from a database, for category information derivation. The event data relates to more than one category information. Then, preprocessing is performed on the event data from which a rule for category information extraction is judged.
USE - For advertising.
ADVANTAGE - Enables identification of consumer purchase pattern and perform advertising accordingly.

Title Terms/Index Terms/Additional Words: CUSTOMER; CATEGORY; INFORMATION; EXTRACT; METHOD; DATABASE; JUDGEMENT; RULE; EVENT; DATA

Class Codes
International Classification (Main): G06F-017/30
(Additional/Secondary): G06F-009/44

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-F05; T01-J05B

...involves judging **rule for category information extraction from preprocessed** event **data extracted from** database
Original Publication Data by Authority

Original Abstracts:
...an event database, the rules are obtained by iteratively generating candidate rules and counting their **occurrences** in the **event database** . Newly **identified** causality rules are used to generate the next set of candidate rules to be evaluated...
Claims:
...plurality of categories, comprising the steps of: preprocessing said event data into an event category **database** by **ordering** said event data into at least one event category sequence; and determining at least one...

...said determining of causality rules comprises the steps of: (a)

selecting at least one trigger **event** category from said preprocessed **event database** ; (b) **determining** a first consequential set comprising at least one event category from said preprocessed event database...
? t 23/9/7-9

23/9/7 (Item 7 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0008991983 - Drawing available
WPI ACC NO: 1998-547136/
XRPX Acc No: N1998-426366
Customer category information extraction method from database - involves judging **rule for category information extraction from preprocessed** event **data extracted from** database
Patent Assignee: IBM CORP (IBMC); INT BUSINESS MACHINES CORP (IBMC)
Inventor: BOB C C L; CHEN M; LIANG B C; MIN-SHAN C; PHILIP S Y; YU P S
Patent Family (2 patents, 2 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
JP 10240770	A	19980911	JP 199834509	A	19980217	199847 B
US 5832482	A	19981103	US 1997804128	A	19970220	199851 E

Priority Applications (no., kind, date): US 1997804128 A 19970220

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 10240770	A	JA	12	7	

Alerting Abstract JP A
The method involves choosing event data from a database, for category information derivation. The event data relates to more than one category information. Then, preprocessing is performed on the event data from which a rule for category information extraction is judged.
USE - For advertising.
ADVANTAGE - Enables identification of consumer purchase pattern and perform advertising accordingly.

Title Terms/Index Terms/Additional Words: CUSTOMER; CATEGORY; INFORMATION; EXTRACT; METHOD; DATABASE; JUDGEMENT; RULE; EVENT; DATA

Class Codes
International Classification (Main): G06F-017/30
(Additional/Secondary): G06F-009/44
US Classification, Issued: 707006000, 707001000, 707007000, 707512000, 707533000, 707003000

File Segment: EPI;
DWPI Class: T01
Manual Codes (EPI/S-X): T01-F05; T01-J05B

Original Publication Data by Authority

Japan
Publication No. JP 10240770 A (Update 199847 B)
Publication Date: 19980911
METHOD FOR DERIVING CATEGORY INFORMATION FROM DATABASE
Assignee: INTERNATL BUSINESS MACH CORP <IBM> (IBMC)
Inventor: PHILIP SHIIRAN YU
BOB CHAO-CHU LIAN
MIN-SHAN CHEN
Language: JA (12 pages, 7 drawings)
Application: JP 199834509 A 19980217 (Local application)
Priority: US 1997804128 A 19970220

Original IPC: G06F-17/30(A) G06F-9/44(B)
Current IPC: G06F-17/30(A) G06F-9/44(B)

United States
Publication No. US 5832482 A (Update 199851 E)
Publication Date: 19981103
Method for mining causality rules with applications to electronic commerce.
Assignee: International Business Machines Corporation, Armonk, NY, US (IBMC)
Inventor: Yu, Phillip Shi-lung, Chappaqua, NY, US
Liang, Bob Chao-Chu, Chappaqua, NY, US
Chen, Ming-Syan, Taipei, TW
Agent: Doougherty; Anne Vachon
Block; Marc S.
Language: EN
Application: US 1997804128 A 19970220 (Local application)
Original IPC: G06F-17/30(A)
Current IPC: G06F-17/30(A)
Original US Class (main): 7076
Original US Class (secondary): 7071 7077 707512 707533 7073
Original Abstract: For mining causality rules in an event database, the rules are obtained by iteratively generating candidate rules and counting their occurrences in the event database. Newly identified causality rules are used to generate the next set of candidate rules to be evaluated, by increasing the size of the set of consequential events triggered by triggering events and/or the number of triggering events. The preferred embodiment uses an iterative approach to deriving the causality rules in order of the consequential set sizes and triggering set sizes. The detection of an occurrence of a causality rule in an event sequence is handled as a sub-sequence matching problem using a novel hierarchical matching method to improve efficiency.
Claim:
1.A method for a computer to derive category information from a database of event data, wherein an event selected from said event data may belong to one or more of a plurality of categories, comprising the steps of:

* preprocessing said event data into an event category database by ordering said event data into at least one event category sequence; and

* determining at least one causality rule from said preprocessed event data, wherein said determining of causality rules comprises the steps of:

* (a) selecting at least one trigger event category from said preprocessed event database;

* (b) determining a first consequential set comprising at least one event category from said preprocessed event database which may be caused by said at least one trigger event category;

* (c) pairing said at least one trigger event category and said first consequential set into a first causality rule candidate;

* (d) counting the number of occurrences of said first causality rule candidate in said preprocessed event database:

* (e) generating a successive causality rule candidate comprising said at least one trigger event category and a successive

consequential set by adding at least one additional event category which may be caused by said trigger event category;

* (f) obtaining a count of the number of occurrences of said successive causality rule candidate;

* (g) comparing said count of the number of occurrences of said successive causality rule candidate to a pre-set threshold; and

* (h) repeating steps (e) through (g) if said count exceeds said pre-set threshold.

23/9/8 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

06839758 **Image available**
EXCEPTION DATA DETECTING METHOD

PUB. NO.: 2001-067253 [JP 2001067253 A]
PUBLISHED: March 16, 2001 (20010316)
INVENTOR(s): SAKOTA YUSUKE
APPLICANT(s): FUJITSU LTD
APPL. NO.: 11-238109 [JP 99238109]
FILED: August 25, 1999 (19990825)
INTL CLASS: G06F-012/00; G06F-017/30

ABSTRACT

PROBLEM TO BE SOLVED: To obtain an exception data detecting method which can surely detect exception data with a simple constitution by judging whether or not a record related with an information key read out of a **management** information file is present in a **database** and detecting the exception data of the data base according to respective judgments.

SOLUTION: When a command for generating a **management** information file is inputted, a **transaction database** to be **detected** is read in from a **transaction** memory (S1). According to the **transaction database**, the **management** information file consisting of a table name, a key, and an expression of process items is generated and stored in a management information memory of a storage part (32). According to the management information memory, an exception data detection part judges whether or not there is a table of the **transaction database** (S3) to **judge** whether or not there is a record (S4). Further, the matching of the arithmetic result of the expression of the record items is **judged** (S5) to **detect** exception data of the **transaction database** (S6).

```
Set     Items   Description
S1     251511   DATABASE? OR DATABANK? OR DATA()(BASE? ? OR BANK? ? OR FIL-
            E? ? OR REPOSITOR? OR WAREHOUSE?) OR DB OR RDB OR OODB OR ODBC
             OR DBMS
S2      44651   S1(7N)(EVENT? ? OR CHANG??? OR PERFORM? OR TRANSACT? OR FL-
            UCTUAT? OR DIFFEREN? OR OCCURR? OR ANOMAL? OR ABERR?)
S3       9947   S1(7N)(FAULT? OR FAILUR? OR FAIL? ? OR FAILING? OR PROBLEM?
             OR ERROR? OR MISTAKE? OR MALFUNCTION? OR TROUBL? OR SYMPTOM?)
S4       2053   S2:S3(7N)(FUTUR? OR LATER OR FORTHCOMING OR PROSPECT? OR N-
            EXT OR SUBSEQUENT?)
S5       7942   S2:S3(7N)(IDENTIF? OR COMPAR? OR DETERMIN? OR DISCERN? OR -
            JUDG??? ? OR ANALY? OR RECOGNI?)
S6       4207   S2:S3(7N)(MONITOR? OR INSPECT? OR DETECT? OR CHECK? OR UNC-
            OVER? OR REVEAL? OR DISCOVER?)
S7        479   S5:S6(7N)(CONTINU? OR CONSTANT? OR PERPET? OR STEAD? OR RE-
            GULAR? OR NONSTOP OR REALTIME? OR REAL()TIME OR CONSIST?)
S8        693   S2:S4(7N)(PREDICT? OR FORECAST? OR ANTICIPAT? OR FORE??? ?
            OR PROGNOST? OR JUDG??? ?)
S9       4729   S2:S4(7N)(GUESS? OR DETERMIN? OR ESTIMAT? OR CALCULAT? OR -
            FORMULAT?)
S10      1666   S5:S9(7N)(RECORD? OR DOCUMENT? OR LOG OR LOGGED OR LOGGING
            OR LOGS OR CHRONICL? OR ARCHIV? OR REPORT?)
S11       284   S10(7N)(DELIVER? OR SEND??? OR SENT OR UPLOAD? OR TRANSMI?
            OR BEAM??? OR PROVID? OR SUPPLY? OR INPUT? OR ENTER?)
S12       239   S10(7N)(RECEIV? OR ACCEPT? OR ACQUIR? OR OBTAIN? OR PULL??-
            ?()DOWN?? OR PROCUR??? OR GET? ? OR FETCH??? OR RETRIEV? OR D-
            OWNLOAD?)
S13     57865   S1(7N)(MANAG? OR DIRECT? OR ADMINISTRAT? OR REGULAT? OR CO-
            NTROL? OR SUSTAIN? OR ORDER??? OR MAINTAIN?)
S14       134   S13(100N)S7
S15        33   S14(100N)S8:S9
S16         1   S15(100N)S10
S17         0   S15(100N)S11:S12
S18         5   S14(100N)S11:S12
S19        30   S15 NOT S16:S18
S20        20   S19 NOT (AD>2003 OR AD=2004:2006)
S21       416   S5:S6(100N)S11:S12
S22       135   S21(100N)S13
S23        36   S15:S20
S24       122   S22 NOT S23
S25        30   S24(100N)S8:S9
S26        30   S25(100N)S10
S27        30   S26(100N)S11:S12
S28        25   S27 NOT (AD>2003 OR AD=2004:2006)
S29        22   S28(100N)DATABASE?
File 348:EUROPEAN PATENTS 1978-2006/ 200642
        (c) 2006 European Patent Office
File 349:PCT FULLTEXT 1979-2006/UB=20061019UT=20061012
        (c) 2006 WIPO/Thomson
```

20/5,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01930027
Secure transaction management
Verfahren und Vorrichtung zur gesicherten Transaktionsverwaltung
Procede et dispositif de gestion de transactions securisees
PATENT ASSIGNEE:
Intertrust Technologies Corp., (2434323), 955 Stewart Drive, Sunnyvale, CA 94085, (US), (Applicant designated States: all)
INVENTOR:
Ginter, Karl L., 10404 43rd Avenue, Beltsville, MD 20705, (US)
Spahn, Francis J., 2410 Edwards Avenue, El Cerrito, CA 94530, (US)
Shear, Victor H., 5203 Battery Lane, Bethesda, MD 20814, (US)
Van Wie, David M., 51430 Williamette Street, 6, Eugene, OR 97401, (US)
LEGAL REPRESENTATIVE:
Beresford, Keith Denis Lewis (28273), BERESFORD & Co. 16 High Holborn, London WC1V 6BX, (GB)
PATENT (CC, No, Kind, Date): EP 1555591 A2 050720 (Basic)
EP 1555591 A3 051123
APPLICATION (CC, No, Date): EP 2005075672 960213;
PRIORITY (CC, No, Date): US 388107 950213
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
RELATED PARENT NUMBER(S) - PN (AN):
EP 861461 (EP 96922371)
INTERNATIONAL PATENT CLASS (V7): G06F-001/00; G06F-017/60

ABSTRACT EP 1555591 A2
A method of and apparatus for assembling software elements to form a component assembly (690) are described. A record (808) containing information identifying the software elements (1000, 1100, 1200, 1202, 690) to be assembled to form the component assembly is accessed. At least some of the software elements (1000, 1100) identified by the record comprise executable program code and at least one of the software elements is a load module (1100) comprising executable program code and a header (804) having an execution space identifier identifying which of a number of different security levels is required of a component assembly execution space. The software elements identified by the record are assembled to form a component assembly (690) that may, in use, be loaded and executed when the level of security of the component assembly execution space matches the level of security identified by the execution space identifier.
ABSTRACT WORD COUNT: 147
NOTE:
Figure number on first page: 23

LEGAL STATUS (Type, Pub Date, Kind, Text):
Application: 050720 A2 Published application without search report
Search Report: 051123 A3 Separate publication of the search report
Change: 051207 A2 Inventor information changed: 20051018
Change: 060614 A2 Title of invention (German) changed: 20060614
Change: 060614 A2 Title of invention (English) changed: 20060614
Change: 060614 A2 Title of invention (French) changed: 20060614
Change: 060726 A2 Title of invention (German) changed: 20060726
Change: 060726 A2 Title of invention (English) changed: 20060726
Change: 060726 A2 Title of invention (French) changed: 20060726
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:
Available Text Language Update Word Count

CLAIMS A (English) 200529 1002
SPEC A (English) 200529 194028
Total word count - document A 195030
Total word count - document B 0
Total word count - documents A + B 195030

...SPECIFICATION feed(s) 694);
a time dependent stream interface(s) 762;
a intercept 692;
a container **manager** 764;
one or more routing tables 766; and
buffering/storage 768. Stream router 758 routes...

...and time dependent stream interface(s) 762. Intercept 692 intercepts I/O requests that involve **real - time** information streams such as, for example, **real time** feed 694. The routing **performed** by stream router 758 may be **determined** by routing tables 766. Buffering/storage 768 provides temporary store-and-forward, buffering and related...

20/5,K/4 (Item 4 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01869029
Systems and methods for secure transaction management and electronic rights protection
Systeme und Verfahren zur gesicherten Transaktionsverwaltung und elektronischem Rechtsschutz
Systemes et procedes de gestion de transactions securisees et de protection de droits electroniques

PATENT ASSIGNEE:
ELECTRONIC PUBLISHING RESOURCES, INC., (976840), 460 Oakmead Parkway, Sunnyvale, CA 94086-4708, (US), (Applicant designated States: all)
INVENTOR:
Ginter, Karl L., 10404 43rd Avenue, Beltsville, Maryland 20705, (US)
Shear, Victor H., 5203 Battery Lane, Bethesda, Maryland 20814, (US)
Spahn, Francis J., 2410 Edwards Avenue, El Cerrito, California 94530, (US)
Van Wie, David M., 1250 Lakeside Drive, Sunnyvale, California 94086, (US)
LEGAL REPRESENTATIVE:
Smith, Norman Ian et al (36041), fJ CLEVELAND 40-43 Chancery Lane, London WC2A 1JQ, (GB)

PATENT (CC, No, Kind, Date): EP 1515216 A2 050316 (Basic)
EP 1515216 A3 050323
APPLICATION (CC, No, Date): EP 2004078194 960213;
PRIORITY (CC, No, Date): US 388107 950213
DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
RELATED PARENT NUMBER(S) - PN (AN):
EP 861461 (EP 96922371)
INTERNATIONAL PATENT CLASS (V7): G06F-001/00; G06F-017/60

ABSTRACT EP 1515216 A3
The present invention provides systems and methods for secure transaction management and electronic rights protection. Electronic appliances such as computers equipped in accordance with the present invention help to ensure that information is accessed and used only in authorized ways, and maintain the integrity, availability, and/or confidentiality of the information. Such electronic appliances provide a distributed virtual distribution environment (VDE) that may enforce a secure chain of handling and control, for example, to control and/or meter or otherwise monitor use of electronically stored or disseminated information. Such a virtual distribution environment may be used to protect rights of various participants in electronic commerce and other electronic or electronic-facilitated transactions. Distributed and other operating systems, environments and architectures, such as, for example, those using tamper-resistant hardware-based processors, may establish security at each node. These techniques may be used to support an all-electronic information distribution.
ABSTRACT WORD COUNT: 144
NOTE:
Figure number on first page: 75C

LEGAL STATUS (Type, Pub Date, Kind, Text):

Application:	050316 A2	Published application without search report
Examination:	050316 A2	Date of request for examination: 20041123
Search Report:	050323 A3	Separate publication of the search report
Assignee:	050511 A2	Transfer of rights to new applicant: Intertrust Technologies Corp. (2434320) 460 Oakmead Parkway Sunnyvale, CA 94086-4708 US

Change: 060726 A2 Title of invention (German) changed: 20060726
Change: 060726 A2 Title of invention (English) changed: 20060726
Change: 060726 A2 Title of invention (French) changed: 20060726
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200511	276
SPEC A	(English)	200511	167210
Total word count - document A			167486
Total word count - document B			0
Total word count - documents A + B			167486

...SPECIFICATION 692 intercepts I/O requests that involve real-time information streams such as, for example, **real time** feed 694. The routing **performed** by stream router 758 may be **determined** by routing tables 766. Buffering/storage 768 provides temporary store-and-forward, buffering and related...

20/5,K/10 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00878864 **Image available**
AUTOMATIC TRANSACTION MANAGEMENT
GESTION AUTOMATIQUE DE TRANSACTIONS
Patent Applicant/Assignee:
CARR SCOTT SOFTWARE INCORPORATED, 5 Windy Hill Lane, Duxbury, MA 02332, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
CARR Richard W, 3462 Murdoch Court, Palo Alto, CA 94306, US, US (Residence), US (Nationality), (Designated only for: US)
SCHILLING Barbara E, 3462 Murdoch Court, Palo Alto, CA 94306, US, US (Residence), US (Nationality), (Designated only for: US)
CORBEIL Johanne C, 2107 Showers Drive, Mountain View, CA 94040, US, US (Residence), US (Nationality), (Designated only for: US)
SCOTT Harry p, 5 Windy Hill Lane, Duxbury, MA 02332, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
BENNETT Robert J (et al) (agent), Townsend and Townsend and Crew LLP, Two Embarcadero Center, 8th floor, San Francisco, CA 94111-3834, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200213068 A1 20020214 (WO 0213068)
Application: WO 2001US24767 20010806 (PCT/WO US0124767)
Priority Application: US 2000222861 20000804
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class (v7): G06F-017/30
International Patent Class (v7): G06F-009/00; G06F-017/00
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 7579
English Abstract
In processing system that includes a processing element communicatively coupled to a storage system for storage of database files (35) managed by a database management system (34) having a transaction management facility (36), file access operations from application processes are intercepted and checked to determine if the operation is from a non-transactional process, and if so, whether an automatic transaction should be started for the operation.

French Abstract
Dans un systeme de traitement comprenant un element de traitement couple de maniere communicative a un systeme de stockage de fichiers de bases de donnees (35) geres par un systeme de gestion de bases de donnees (34) dote d'un dispositif de gestion de transactions (36), les operations d'acces aux fichiers a partir des processus d'application sont

interceptees et verifiees pour determiner si l'operation emane d'un procede non transactionnel, et si tel est le cas, si une transaction automatique devrait etre lancee pour l'operation.

Legal Status (Type, Date, Text)
Publication 20020214 A1 With international search report.
Examination 20020906 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:
Detailed Description

Detailed Description
... files, this function deterrhines the logical use of file and record locks, including noting when **database** updates have been performed.

[441 Automatic Transaction **Management** - This function performs the basic management of transactions, such issuing the necessary transaction calls for...

...level of isolation between each automatic transaction and external processing that may depend on the **database** **consistency** affected by automatic **transaction** .

1 5 [47] Process Termination Tracking - **Determine** other operations that are important to effective transaction management, especially all operation that may lead...

20/5,K/12 (Item 3 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00860442 **Image available**

SYSTEM AND APPARATUS FOR THE REMOTE MONITORING AND CONTROL OF A COMPUTING COMPONENT

SYSTEME ET APPAREIL PERMETTANT LA SURVEILLANCE ET LA COMMANDE A DISTANCE D'UN COMPOSANT INFORMATIQUE

Patent Applicant/Assignee:
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Patent and Priority Information (Country, Number, Date):
Patent: WO 200193042 A2-A3 20011206 (WO 0193042)
Application: WO 2001US16749 20010524 (PCT/WO US0116749)
Priority Application: US 2000207581 20000526; US 2001862891 20010522
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class (v7): G06F-011/34
International Patent Class (v7): H04L-012/24; G06F-011/30
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 4767

English Abstract
The present disclosure provides a system and apparatus for the remote monitoring and control of a computing component. An intelligent management and control transceiver (IMCT) (105) is preferably attached to a computing component (110) to be monitored and controlled. The IMCT preferably operates independently of the computing component being monitored and controlled by maintaining its own processing power (130), memory (135), power supply (135) and communications capabilities (145, 146). Software executing on the IMCT enables various functional and environmental characteristics of the computing component to be monitored and controlled. A wireless transceiver is preferably included to allow the IMCT to generate an alert in response to the occurrence of a monitored event as well as to enable the remote management of the computing component. In addition, an Internet web site, portable wireless device or interface to existing computing component management software may be provided and used to access the computing component being monitored as well as to control the computing component preferably using the IMCT.

French Abstract

La presente invention concerne un systeme et un appareil permettant la surveillance et la commande a distance d'un composant informatique. A cet effet, un emetteur-recepteur intelligent de gestion et de commande (IMCT) (105) est, de preference, relie au composant informatique (110) a surveiller et a commander. Ledit emetteur-recepteur IMCT fonctionne, de preference, independamment du composant informatique faisant l'objet de la surveillance et de la commande, du fait qu'il gere ses propres fonctions de puissance de traitement (130), de memoire (135), d'alimentation electrique (135) et de communication (145, 140). Le logiciel s'executant sur l'emetteur-recepteur IMCT permet de surveiller et de commander diverses caracteristiques fonctionnelles et environnementales dudit composant informatique. En outre, le systeme selon l'invention comprend, de preference, un emetteur-recepteur radio destine d'une part, a permettre a l'emetteur-recepteur IMCT de generer une alerte en reponse a la survenue d'un evenement surveille et d'autre part, a permettre la gestion a distance du composant informatique. Enfin, ledit systeme peut utiliser un site web Internet, un dispositif portable sans fil ou l'interface d'un logiciel de gestion de composants informatiques existant pour acceder au composant informatique faisant l'objet de la surveillance et pour commander le composant informatique, de preference au moyen de l'emetteur-recepteur IMCT.

Legal Status (Type, Date, Text)
Publication 20011206 A2 Without international search report and to be republished upon receipt of that report.
Search Rpt 20020411 Late publication of international search report
Republication 20020411 A3 With international search report.

Fulltext Availability:
Detailed Description

Detailed Description
... components. While there are many facets to ensuring availability, one of the most important is **real time monitoring** and **control** of networks, systems, applications, and **databases** such that **problems** may be **detected** , **anticipated** and, in some cases, corrected.

Effective **real time** monitoring generally requires that the IT organization have a set of management tools designed to...

...cost of monitoring large numbers of components, (inverted exclamation mark).e., networks, systems, applications and **databases** . For example, some **management** systems are capable of monitoring hundreds of objects or components. To manually manage the same...

20/5,K/13 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00818598 **Image available**
METHOD AND SYSTEM FOR OPTIMIZING ACCESS TO A COMMUNICATIONS NETWORK
PROCEDE ET SYSTEME D'OPTIMISATION DE L'ACCES A UN RESEAU DE TELECOMMUNICATIONS

Patent Applicant/Assignee:
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Patent Applicant/Inventor:
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MARUR Vinod, 52 Arthurs Court, Berkeley Heights, NJ 07922, US, US (Residence), IN (Nationality), (Designated only for: US)
NARENDRAN Blakrish, 48 Whitney Drive, Berkeley Heights, NJ 07922, US, US (Residence), IN (Nationality), (Designated only for: US)
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Legal Representative:
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Patent and Priority Information (Country, Number, Date):
Patent: WO 200152084 A1 20010719 (WO 0152084)
Application: WO 2001US702 20010110 (PCT/WO US0100702)
Priority Application: US 2000175309 20000110
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class (v7): G06F-015/173
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 8897

English Abstract
A method is disclosed for optimizing client access to a communication network. At least one discloses embodiment of the method includes identifying (1010) a plurality of access points for a client to access a communication network from a specified location, and obtaining a plurality of metrics (1020), including a real-time performance metric, for each of the plurality of access points. The metrics can be evaluated (1030) by applying an evaluation agorithm and evaluation criteria to the

metrics. At least one disclosed embodiment of the method also includes determining, using a processor, priority information (1040) for each of the plurality of access points based on the plurality of metrics for each of the plurality of access points, and providing the priority information regarding the access points to the client (1050).

French Abstract

La presente invention concerne un procede d'optimisation de l'acces client a un reseau de telecommunications. Au moins un mode de realisation de l'invention consiste a identifier (1010) une pluralite de points d'acces pour un client afin qu'il accede a un reseau de communication a partir d'un endroit specifie, et a obtenir une pluralite de mesures (1020), notamment une mesure du rendement en temps reel, pour chacun des points d'acces. On peut evaluer (1030) ces mesures en leur appliquant un algorithme d'evaluation et des criteres d'evaluation. Au moins un autre mode de realisation de l'invention consiste a determiner, au moyen d'un processeur, les informations de priorite (1040) pour chaque point d'acces sur la base de la pluralite de mesures pour chaque point d'acces, et a fournir ces informations de priorite aux clients (1050) selon les points d'acces.

Legal Status (Type, Date, Text)

Publication	20010719	A1 With international search report.
Publication	20010719	A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.
Examination	20010920	Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:
Claims

Claim
... generate the DDOs according to
the new rankings.

5 Generate new DDOs and update the **database management** system.

6 Go to step 1.
Measurement Variables
The POP Manager can use the following...

...14:30 and 30% between 14:30
and 15:00). This failure rate can be **determined** using the historical **failure**
data, which can be obtained from the **database management** system, as well
as the **real time** performance data, which can be collected from the servers
(see "Pop Manager - Server Interaction"). Depending...

20/5,K/19 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00506083

INPUT/OUTPUT SUBSYSTEM FOR A CONTROL SYSTEM

SOUS-SYSTEME ENTREE/SORTIE DESTINE A UN SYSTEME DE COMMANDE

Patent Applicant/Assignee:
SQUARE D COMPANY,
Inventor(s):
BUDA Paul R,
BAILEY Jonathan H,
DEW Larry A,
STEIFELMEYER Gene,

Patent and Priority Information (Country, Number, Date):
Patent: WO 9937435 A1 19990729
Application: WO 99US1469 19990125 (PCT/WO US9901469)
Priority Application: US 9812377 19980123
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AU CA CN JP MX AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Main International Patent Class (v7): B23K-011/25
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 7350

English Abstract

A field bus network of input and output devices is coupled to a control system through an I/O interface module, regardless of their data structures. The I/O interface module is coupled to the control system through a serial communication port. Local input and output devices are coupled to the interface I/O module through a local I/O interface and networked input and output devices are coupled to the interface I/O module through a field bus communication adapter. A different adapter is required for each type of field bus protocol. The interface I/O module includes a microprocessor based device to generate and control the various interactions between the local devices, networked devices, and the control system and also to provide for a visual and status display of the fieldbus and local I/O data local. Input and output data to and from control system.

French Abstract

L'invention concerne un reseau en bus a champs, de dispositifs d'entree et sortie, couple a un systeme de commande via un module d'interface entree/sortie, quelle que soit la structure des donnees. Ce module d'interface entree/sortie est couple au systeme de commande via un port de communication en serie. Des dispositifs d'entree et sortie locaux sont couples au module d'interface entree/sortie via une interface entree/sortie locale, et des dispositifs en reseau d'entree/sortie sont couples audit module via un adaptateur de communication a bus de champs, un adaptateur different etant requis pour chaque type de protocole de bus de champs. Le module d'interface entree/sortie comprend un dispositif commande par un microprocesseur, afin de produire et commander les diverses interactions entre les dispositifs locaux, les dispositifs en reseau et le systeme de commande, et de fournir un affichage visuel et d'etat du bus de champs et des dispositifs locaux de donnees entree/sortie. L'invention concerne encore des donnees d'entree destinees au systeme de commande et des donnees de sortie provenant de ce systeme.

Fulltext Availability:
Detailed Description

Detailed Description
... set Up memory images in
device files for each slave device on the network. The **database**
manager
18
will determine if the startup mode is a normal startup 130, upload 132,
or...

...it is a download, it will read data 128 from the
device file in the **database** file for device revision **control** . Once
the
database master is in **control** of the network 50 as the arbiter, it
will wait for a
user request 136 or after a predetermined time whereby the **database**
manager may scan the network for status **changes** or data changes as
determined through **regular** revision polling. The user request could
be in the form of an input from a...

...mouse operation 86 in response to
prompts from a graphics menu on display 87. The **database** **manager** 74
will
I 0 attempt 138 to send the message through communications task 140. Once
a response is received 142, the appropriate display screens will be
updated
144 and the **database** **manager** will determine 146 if the received data
should be saved 148 to the system database...

29/5,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01412072

Design support system capable of reducing design error
Entwurfssystem zum Vermindern der Entwurfsfehler
Systeme de support de conception capable de reduire les erreurs de conception

PATENT ASSIGNEE:
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Tanaka, Yoshimichi, c/o Sumitomo Rubber Ind., Ltd., 6-9, 3-chome, Wakinohama-cho, Chuo-ku, Kobe-shi, Hyogo, (JP)
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LEGAL REPRESENTATIVE:
Frost, Alex John et al (85791), Boult Wade Tennant, Verulam Gardens 70 Gray's Inn Road, London WC1X 8BT, (GB)

PATENT (CC, No, Kind, Date): EP 1193634 A2 020403 (Basic)
EP 1193634 A3 051221
APPLICATION (CC, No, Date): EP 2001308016 010920;
PRIORITY (CC, No, Date): JP 2000284826 000920
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE; TR
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS (V7): G06F-017/60 ; G06F-017/50

ABSTRACT EP 1193634 A2

A design support system is constituted for a user to design a construction material (a fender or the like) and to obtain the result of the designing through connection to a wave server. The system includes a **database** (F4) performing calculation and output based on data entered by the user, and storing the process thereof. The calculation result can be obtained by the user by e.g. **downloading** (S117, S217), and also is **recorded** into the **database** (F4). A person on a maker side, different from the user, may refer to the **database** (F4) in order to **check** a design **error** .

ABSTRACT WORD COUNT: 101
NOTE:
Figure number on first page: 3
LEGAL STATUS (Type, Pub Date, Kind, Text):
Application: 020403 A2 Published application without search report
Search Report: 051221 A3 Separate publication of the search report
Change: 060830 A2 Title of invention (German) changed: 20060830
Change: 060830 A2 Title of invention (English) changed: 20060830
Change: 060830 A2 Title of invention (French) changed: 20060830
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200214	330
SPEC A	(English)	200214	4375
Total word count - document A			4705
Total word count - document B			0
Total word count - documents A + B			4705

...ABSTRACT the result of the designing through connection to a wave server. The system includes a **database** (F4) performing calculation and output based on data entered by the user, and storing the process thereof. The calculation result can be obtained by the user by e.g. **downloading** (S117, S217), and also is **recorded** into the **database** (F4). A person on a maker side, different from the user, may refer to the **database** (F4) in order to **check** a design **error** .

29/5,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

01170871
OPTIMIZATION OF CHANGE LOG HANDLING
OPTIMIERUNG DER HANDHABUNG EINES VERANDERUNGEN-LOGBUCHS
OPTIMISATION DE LA MANIPULATION DU JOURNAL DE MODIFICATIONS
PATENT ASSIGNEE:
Telefonaktiebolaget LM Ericsson (publ), (3258787), , 164 83 Stockholm, (SE), (Proprietor designated states: all)
INVENTOR:
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NOVAK, Lars, Mans Ols vag 13, S-247 91 Bjarred, (SE)
LEGAL REPRESENTATIVE:
Wittrup, Flemming et al (61491), Zacco Denmark A/S Hans Bekkevolds Alle 7 , 2900 Hellerup, (DK)
PATENT (CC, No, Kind, Date): EP 1131757 A2 010912 (Basic)
EP 1131757 B1 050511
WO 2000029998 000525
APPLICATION (CC, No, Date): EP 99958565 991105; WO 99SE2004 991105
PRIORITY (CC, No, Date): US 108902 P 981117; US 110485 P 981201; US 427910 991027
DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU; MC; NL; PT; SE
INTERNATIONAL PATENT CLASS (V7): G06F-017/60; G06F-017/30
CITED PATENTS (EP B): WO 97/41520 A; US 5247684 A; US 5307487 A
CITED REFERENCES (EP B):
ANONYMOUS: "Bounding Journal Back-Off during Recovery of Data Base Replica in Fault-Tolerant Clusters" IBM TECHNICAL DISCLOSURE BULLETIN, vol. 36, no. 11, pages 675-678, XP002138512 New York, US;
NOTE:
No A-document published by EPO
LEGAL STATUS (Type, Pub Date, Kind, Text):

Application:	000719	A2	International application. (Art. 158(1))
Application:	000719	A2	International application entering European phase
Application:	010912	A2	Published application without search report
Examination:	010912	A2	Date of request for examination: 20010612
Assignee:	040428	A2	Transfer of rights to new applicant: Telefonaktiebolaget LM Ericsson (publ) (3258787) 16483 Stockholm SE
Change:	041124	A2	International Patent Classification changed: 20041001
Change:	050511	A2	Inventor information changed: 20050323
Grant:	050511	B1	Granted patent
Lapse:	051214	B1	Date of lapse of European Patent in a contracting state (Country, date): SE 20050811,
Lapse:	051228	B1	Date of lapse of European Patent in a contracting state (Country, date): SE 20050811, FI 20050511,
Change:	060329	B1	Title of invention (German) changed: 20060329
Change:	060329	B1	Title of invention (English) changed: 20060329
Change:	060329	B1	Title of invention (French) changed: 20060329
Change:	060405	B1	Title of invention (German) changed: 20060405
Change:	060405	B1	Title of invention (English) changed: 20060405
Change:	060405	B1	Title of invention (French) changed: 20060405
Change:	060503	B1	Title of invention (German) changed: 20060503
Change:	060503	B1	Title of invention (English) changed: 20060503
Change:	060503	B1	Title of invention (French) changed: 20060503

Change: 060531 B1 Title of invention (German) changed: 20060531
Change: 060531 B1 Title of invention (English) changed: 20060531
Change: 060531 B1 Title of invention (French) changed: 20060531
Change: 060726 B1 Title of invention (German) changed: 20060726
Change: 060726 B1 Title of invention (English) changed: 20060726
Change: 060726 B1 Title of invention (French) changed: 20060726
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200519	841
CLAIMS B	(German)	200519	801
CLAIMS B	(French)	200519	1054
SPEC B	(English)	200519	4573
Total word count - document A			0
Total word count - document B			7269
Total word count - documents A + B			7269

...SPECIFICATION fast synchronization procedure, the sync engine 210 submits its stored change counter to the device **database** 230 and requests from the device database 230 at step 390 the entries of the...

...210 to reread the change log 240 when a connection is reestablished in order to **receive** the oldest unsynchronized entry of the change **log** 240.

At step 400, if the device **database** 230 **determines** that not all unsynchronized **changes** are present in the change **log** 240 (e.g., some of the entries in the change log 240 occurring after the submitted change counter have been pushed out), the device **database** 230 returns a "too many changes" indication, such as an "*", to the sync engine 210...

29/5,K/3 (Item 3 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00858882
Method and system for fast recovery of a primary store database
Verfahren und System zur schnellen Wiederherstellung einer Primarspeicherdatenbank
Procede et systeme pour le retablissement rapide d'une base de donnees en memoire primaire
PATENT ASSIGNEE:
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INVENTOR:
Todorovic, Zoran, Buschiackerstrasse 11, 3098 Schliern, (CH)
Nilsson, Ingvar, Lottastigen 6, 141 37 Huddinge, (SE)
LEGAL REPRESENTATIVE:
Sjoberg, Mats Hakan (99668), Ericsson AB Patent Unit Core Networks, Alvsjo Box 1505, 125 25 Alvsjo, (SE)
PATENT (CC, No, Kind, Date): EP 790558 A1 970820 (Basic)
APPLICATION (CC, No, Date): EP 97850015 970205;
PRIORITY (CC, No, Date): US 597342 960206
DESIGNATED STATES: DE; FR; GB; SE
INTERNATIONAL PATENT CLASS (V7): G06F-011/14;
LEGAL STATUS (Type, Pub Date, Kind, Text):
Examination: 010926 A1 Date of dispatch of the first examination report: 20010814
Application: 970820 A1 Published application (A1with Search Report ;A2without Search Report)
Change: 050427 A1 Legal representative(s) changed 20050310
Change: 020417 A1 Legal representative(s) changed 20020302
Assignee: 040506 A1 Transfer of rights to new applicant: Telefonaktiebolaget LM Ericsson (publ) (3258787) 16483 Stockholm SE
Examination: 971112 A1 Date of filing of request for examination: 970917
Change: 980729 A1 Representative (change)
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9708W3	1195
SPEC A	(English)	9708W3	5348
Total word count - document A			6543
Total word count - document B			0
Total word count - documents A + B			6543

...SPECIFICATION or transient) is corrupted. Because of that external backup, it is not necessary for the **database** to store such large quantities of data on the periodic checkpoint dumps, irrespective of whether...

...has just been received. If so, a second decision is made in block 54 to **determine** the type of the just received **database transaction** . If the type of **transaction** relates to semi-permanent data, that **database transaction** is stored in the **log** buffer section 18 of the primary store 10 (block 56). That transaction is also stored...

...it is time to dump the log to persistent media. If not, control returns to **check** for receipt of another **database transaction** . Otherwise, the log information is stored on persistent media (block 64).

If the database transaction...

...dump (block 66), and if not, control returns to wait for receipt of the next **database** transaction. Otherwise, the semi-permanent data stored in first memory section 14 (and possibly the...

29/5,K/5 (Item 5 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00173158
RELATIONAL DATABASE MANAGEMENT SYSTEM.
VERWALTUNGSSYSTEM FUR RELATIONALE DATENBANK.
SYSTEME DE GESTION DE BASE DE DONNEES RELATIONELLE.
PATENT ASSIGNEE:
WANG LABORATORIES INC., (333560), One Industrial Avenue, Lowell, MA 01851, (US), (applicant designated states: BE;DE;FR;GB)
INVENTOR:
Huber, Val Joseph, 9 Cloverhill Drive, Chelmsford, MA 01824, (US)
LEGAL REPRESENTATIVE:
Behrens, Dieter, Dr.-Ing. et al (1701), Wuesthoff & Wuesthoff Patent- und Rechtsanwalte Schweigerstrasse 2, D-81541 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 187373 A2 860716 (Basic)
EP 187373 A3 890607
EP 187373 B1 950412
APPLICATION (CC, No, Date): EP 85116528 851223;
PRIORITY (CC, No, Date): US 690800 850111
DESIGNATED STATES: BE; DE; FR; GB
INTERNATIONAL PATENT CLASS (V7): G06F-017/30;
CITED PATENTS (EP A): DE 2523795 A; US 4317171 A; WO 8402410 A; US 3533082 A

ABSTRACT EP 187373 A2
Relational database management system with interactive error handling. In a relational database management system, interactive error-handling means comprises means for calling an operation means and a fetch means. The fetch means operates against a cursor to retrieve a record occurrence noninteractively for operation. The operation means validates the selected operation and can set an error condition signal. When the selected operation is valid, the operation is performed and the operation means provides a return signal to the calling means, which calls the fetch means to retrieve the next record occurrence. When the selected operation is invalid, the fetch means responds to the error condition signal by operating interactively to display the previously retrieved signal with an error message. The interactive user can correct the error so that noninteractive operation can continue.
ABSTRACT WORD COUNT: 134

LEGAL STATUS (Type, Pub Date, Kind, Text):
Application: 860716 A2 Published application (A1with Search Report ;A2without Search Report)
Search Report: 890607 A3 Separate publication of the European or International search report
Examination: 900131 A2 Date of filing of request for examination: 891206
Examination: 911030 A2 Date of despatch of first examination report: 910916
Grant: 950412 B1 Granted patent
Oppn None: 960403 B1 No opposition filed
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	EPAB95	148
CLAIMS B	(German)	EPAB95	150
CLAIMS B	(French)	EPAB95	172
SPEC B	(English)	EPAB95	20746
Total word count - document A			0

Total word count - document B 21216
Total word count - documents A + B 21216

...SPECIFICATION from the user of the terminal to the calling program comprises a designation of the **database** to be accessed, a designation of the screen file to be accessed, and in some...

...defines a set of record occurrences to be retrieved from the physical database, and which **identifies** a position within the set during the process of retrieving the record occurrences.

Within the...Data processing system 10 opens the cursor and allocates storage for QUERY data structure 162, **determines** the strategy for **obtaining record occurrences** from **database** 150, and defines qid.

Operating according to WZPXI with a LIST screen format indexed by... program calls the DO QUERY module 108.

WZFETCH module 602 calls WZRETRIEVE module 118 to **retrieve** a single **record occurrence** from **database** 516, without displaying it. The parameter "qid" **identifies** the query to be used in the **retrieval** . Other particular features of the FETCH module are not pertinent herein.

When the constructed application...

...153 are used to access an initial screen format 522 and initial relation (table) from **database** 516. If the format was so modified during the previous operation of the data processing...

29/5,K/6 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01030704 **Image available**

A SYSTEM FOR SUPPORTING CLINICAL DECISION-MAKING
SYSTEME D'AIDE A LA PRISE DE DECISION CLINIQUE

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Patent and Priority Information (Country, Number, Date):
Patent: WO 200360750 A2-A3 20030724 (WO 0360750)
Application: WO 2002US40241 20021216 (PCT/WO US02040241)
Priority Application: US 2002347267 20020110; US 2002313532 20021206
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CA JP
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SI SK TR
Main International Patent Class (v7): G06F-019/00
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 6870

English Abstract
The invention is directed to a system that uses a repository of patient medical records in supporting clinical decision making, and which incorporates receiving, from a first source, data representing an order associated with treatment of a medical condition; interpreting the order to determine search criteria for use in identifying records related to the patient medical condition; searching a database of patient medical records based on the search criteria; identifying, in the patient medical record database, information concerning different treatments previously employed for treating the medical condition based on the search criteria; and providing the different treatment information to the first source.

French Abstract
La presente invention concerne un systeme qui utilise un archivage d'enregistrements medicaux de patient pour aider a la prise de decision clinique. Ce systeme consiste a recevoir d'une premiere source des donnees representant une ordonnance associee a un traitement d'une pathologie medicale, a interpreter cette ordonnance de facon a determiner des criteres de recherche a utiliser dans l'identification des enregistrements relatifs a la pathologie medicale du patient, a rechercher une base de donnees d'enregistrement medicaux de patient a partir de ces criteres de recherche, a identifier dans cette base de donnees d'enregistrements medicaux de patient, des informations relatives a differents traitements precedemment utilises pour traiter cette pathologie medicale fondes sur ces criteres de recherche et a fournir les differentes informations de traitement a la premiere source.

Legal Status (Type, Date, Text)

Publication 20030724 A2 Without international search report and to be republished upon receipt of that report.
Search Rpt 20041209 Late publication of international search report
Republication 20041209 A3 With international search report.
Republication 20041209 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.
Fulltext Availability:
Detailed Description

Detailed Description
... and collated according to patient type characteristics. Data may be also be stored in the **database** that includes at least one of patient treatment information and a record of an order...

...a previous order and associated date based on the search criteria in the patient medical **record database** , **determine** a **difference** between the **identified** previous order and the **received** order associated with treatment of the medical condition; and provide information indicating the order difference...

29/5,K/7 (Item 2 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00993662 **Image available**
CUSTOMER SUPPORT METHOD AND SYSTEM
PROCEDE ET SYSTEME D'ASSISTANCE CLIENTELE
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Patent Applicant/Inventor:
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LANCKEN Bradley Peter, 409/35 Shelley Street, King Street Wharf, Sydney, NSW 2000, AU, AU (Residence), AU (Nationality), (Designated only for: US)
Legal Representative:
ALLENS ARTHUR ROBINSON PATENT & TRADE MARKS ATTORNEYS (agent), Stock Exchange Centre, 530 Collins Street, Melbourne, VIC 3000, AU,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200323649 A1 20030320 (WO 0323649)
Application: WO 2002AU1267 20020913 (PCT/WO AU0201267)
Priority Application: AU 20017665 20010913
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LU MC NL PT SE SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class (v7): G06F-017/30
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 7907

English Abstract
The present invention relates to a customer support method and system, and particularly to a method and system for providing customer support to computer users. In one form, a method of providing a customer support service is provided, comprising the steps of recording a given problem and an identified solution to the given problem in an electronic database, interrogating a customer's computing means to obtain diagnostic data, and comparing the diagnostic data to the recorded given problem, in order to determine whether the recorded identified solution applies to the customer. A customer support service provider services a plurality of customers, and diagnostic data of a computing means of each customer is stored in the or in a further electronic database. A client application is provided to the customer, operable to obtain diagnostic data from the customer's computing means and to communicate the diagnostic data to the electronic database. The invention also embraces a system for providing a customer support service, a customer support client application for residing on a customer's computing means and for obtaining diagnostic data from the computing means, and a server application for providing a customer support service.

French Abstract

L'invention concerne un procede et un systeme d'assistance clientele, et en particulier un procede et un systeme permettant de fournir une assistance clientele a des utilisateurs d'ordinateurs. Dans un mode de realisation, l'invention se rapporte a un procede permettant de fournir un service d'assistance clientele, comprenant les etapes consistant a : enregistrer un probleme donne et une solution identifiee a ce probleme dans une base de donnees electronique ; interroger le moyen informatique d'un client pour obtenir des donnees de diagnostic ; et comparer les donnees de diagnostic obtenues avec le probleme donne enregistre, afin de determiner si la solution identifiee enregistree s'applique a ce client. Un fournisseur de services d'assistance clientele fournit des services a une pluralite de clients, et les donnees de diagnostic d'un moyen informatique de chaque client sont stockees dans ladite base de donnees electronique ou une base de donnees electronique supplementaire. Une application client est fournie au client et peut servir a obtenir des donnees de diagnostic issues du moyen informatique du client et a communiquer ces donnees de diagnostic a la base de donnees electronique. L'invention se rapporte en outre a un systeme permettant de fournir un service d'assistance clientele, a une application client d'assistance clientele concue pour resider sur un moyen informatique du client et permettant d'obtenir des donnees de diagnostic provenant dudit moyen informatique, ainsi qu'a une application serveur permettant de fournir un service d'assistance clientele.

Legal Status (Type, Date, Text)
Publication 20030320 A1 With international search report.

Fulltext Availability:
Claims

Claim

... diagnostic data and software diagnostic data.

16 The system of claim 15, wherein the electronic **database** is configured to record diagnostic data of each computing means of a plurality of customers...wherein said means for accessing is configured to permit staff of a customer support service **provider** to access the electronic **database** so to **compare** diagnostic data to given **problems recorded** in said **database** , in order to **determine** whether the **recorded identified** solution is appropriate for said customer.

22 The system of any one of claims 13...

29/5,K/9 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00901316 **Image available**
ELECTRONIC INTERNATIONAL TRADING
ECHANGES ELECTRONIQUES INTERNATIONAUX
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Legal Representative:
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Patent and Priority Information (Country, Number, Date):
Patent: WO 200235382 A1 20020502 (WO 0235382)
Application: WO 2001AU614 20010524 (PCT/WO AU0100614)
Priority Application: AU 20001053 20001027
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class (v7): G06F-017/30
International Patent Class (v7): G06F-017/60
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 22574

English Abstract
The present invention provides a consolidation of the myriad of technicalities of Customs, Taxation, Quarantine and Logistics with the technology of contemporary systems development and integration. The invention also provides a seamless, electronic international trading system across national borders. The invention provides an electronic international trading method/system/software, which includes: obtaining import/export data for internationally traded goods; obtaining source information based upon import/export data and transferring the source information to at least one management module; at least one management module processing the source information producing processed data from at least one management module, whereby, each management module relates to

an area of import and export related international trading.

French Abstract

L'invention concerne le regroupement des tres nombreuses modalites techniques relatives aux douanes, aux impots, a la quarantaine et la logistique, grace a la technologie de l'integration et du developpement de systemes contemporains. L'invention concerne egalement un systeme d'echanges internationaux electroniques continu au-dela des frontieres nationales. L'invention concerne en outre un procede/systeme/logiciel d'echanges internationaux electroniques, qui consistent a obtenir des donnees d'import/export concernant des biens echanges sur le plan international, a obtenir des informations sources basees sur les donnees d'import/export et a transferer les informations sources a au moins un module de gestion, au moins un module de gestion traitant les informations sources et produisant des donnees traitees a partir d'au moins un module de gestion. Chaque module de gestion traite d'un domaine de l'echange international associe aux importations et aux exportations.

Legal Status (Type, Date, Text)
Publication 20020502 A1 With international search report.
Examination 20021010 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:
Claims

Claim
... messages concerning successful or failed data transfer to or From all connected and external Systems.
Database Security
The EITS ...The inputs and M outputs frorn the other EITS modules will be the base for **determining** the **database** information storage and retrieval requirements.
Output **Transactions**
No output **transactions** generated from the **database** module.
Reports & Enquiries
No **reports** will be produced from the database module other than system reports to **monitor** and maintain the **database** structure and performance.
Inter-Module Inteifaces
All of the EITS modules will interact with the **database** module to store and retrieve transactional and source master data.
Ftistoljs@@@
Overview
The historical analysis...

29/5,K/10 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00858323 **Image available**

A SYSTEM AND METHOD FOR TRANSACTION-SELECTIVE RECONSTRUCTION OF DATABASE OBJECTS

SYSTEME ET PROCEDE DE RECONSTRUCTION SELECTIVE DU POINT DE VUE DES TRANSACTIONS D'OBJETS D'UNE BASE DE DONNEES

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Patent and Priority Information (Country, Number, Date):
Patent: WO 200190954 A2-A3 20011129 (WO 0190954)
Application: WO 2001US16464 20010522 (PCT/WO US01016464)
Priority Application: US 2000207006 20000525; US 2001861830 20010521
Designated States:
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AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class (v7): G06F-017/30
International Patent Class (v7): G06F-011/14
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 11149

English Abstract
Most commercial database systems provide a recovery mechanism that is used to restore data integrity in the event of a hardware failure. Many of these systems restore the database from the most recent backup file by rolling forward all transactions from the most recent undamaged transaction log. The present invention discloses a novel system and method for recovering data from user or application errors. Embodiments of the present invention selectively target and undo only those transactions that caused data corruption. In this way, the present invention is able to recover fine-grained database objects such as a table or a row within a table. The present invention has the further advantage of minimizing the number of transactions that are lost after recovery.

French Abstract
La plupart des systemes commerciaux de base de donnees mettent en place un mecanisme de recuperation qui est utilise pour retablir l'integrite des donnees en cas de panne materielle ou logicielle. Nombreux sont les systemes parmi ceux-ci qui retablissent la base de donnees a partir du fichier de secours le plus recent par recouvrement de toutes les

transactions a partir du journal des transactions le plus recent n'ayant pas subi de dommages. La presente invention concerne des nouveaux systeme et procede permettant de recuperer des donnees a partir des erreurs d'utilisateurs ou d'applications. Des modes de realisation de la presente invention ciblent et effacent de maniere selective seulement ces transactions qui ont entraine une alteration des donnees. De cette facon, le systeme selon la presente invention est capable de recuperer de maniere plus detaillee des objets d'une base de donnees, tels qu'une table ou une rangee comprise dans une table. Le systeme selon l'invention presente un caractere avantageux en ce qu'il minimise le nombre de transactions qui sont perdues apres la recuperation.

Legal Status (Type, Date, Text)
Publication 20011129 A2 Without international search report and to be republished upon receipt of that report.
Examination 20020627 Request for preliminary examination prior to end of 19th month from priority date
Search Rpt 20040325 Late publication of international search report
Republication 20040325 A3 With international search report.
Republication 20040325 A3 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Fulltext Availability:
Claims

Claim
... checkpoint command; and
reading a log sequence number of a last checkpoint command from a **database** boot record.
4 The method of claim 2, wherein determining an end of a time...

...row affected by the operation in an input log record was subsequently deleted in the **database** ;
maintaining a temporary table that contains row images as they existed at
various time points;
removing...row affected by the operation in an input log record was subsequently deleted in the **database** ;
code to **maintain** a temporary table that contains row images as they existed at
various time points;
code...steps so as
to:
determine if a row affected by the operation in an input **log** **record** was
subsequently deleted in the **database** ; and
determine that no **change** is needed to rollback the transaction if the row affected by the operation in the...

...row affected by the operation in an input log record was subsequently deleted in the **database** ;
maintain a temporary table that contains row images as they existed at various
time points...

...s Physical Row Id and Object Id;
read a data row directly from a physical **database** page identified by the
Physical Row Id in the input log record;

create a new...

29/5,K/11 (Item 6 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00857190 **Image available**

A NETWORK DEVICE FOR SUPPORTING MULTIPLE UPPER LAYER NETWORK PROTOCOLS OVER A SINGLE NETWORK CONNECTION

DISPOSITIF DE RESEAU COMPATIBLE AVEC PLUSIEURS PROTOCOLES DE RESEAU A COUCHE SUPERIEURE VIA UNE SEULE CONNEXION RESEAU

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MANOR Larry B, 15 Cross Road, Londonderry, NH 03053, US,
Legal Representative:
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Patent and Priority Information (Country, Number, Date):
Patent: WO 200190843 A2-A3 20011129 (WO 0190843)
Application: WO 2001US15867 20010516 (PCT/WO US0115867)
Priority Application: US 2000574343 20000520; US 2000574341 20000520; US 2000574440 20000520; US 2000588398 20000606; US 2000591193 20000609; US 2000593034 20000613; US 2000596055 20000616; US 2000613940 20000711; US 2000616477 20000714; US 2000625101 20000724; US 2000633675 20000807; US 2000637800 20000811; US 2000653700 20000831; US 2000656123 20000906; US 2000663947 20000918; US 2000669364 20000926; US 2000687191 20001012; US 2000703856 20001101; US 2000711054 20001109; US 2000718224 20001121; US 2001756936 20010109; US 2001777468 20010205; US 2001789665 20010221; US 2001803783 20010312; US 2001832436 20010410
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class (v7): G06F-013/00
International Patent Class (v7): G06F-017/30; G06F-001/18; G06F-011/30; G06F-012/14; G06F-003/14; H04L-012/56; H04M-001/10; H04M-007/00; H04M-003/00; H01J-003/14
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims

Fulltext Word Count: 210510

English Abstract
The present invention provides a network device with at least one physical interface or port (44,68) that is capable of transferring network packets including data organized into one or more upper layer network protocols. Network packets are received by the port (44,68) and a port subsystem in accordance with a physical layer network protocol and transferred to forwarding subsystems within the network device in accordance with the upper layer protocols into which the network packets data has been organized. Network packets including data organized in accordance with ATM are then transferred to one or more ATM forwarding subsystems, network packets including data organized in accordance with MPLS are transferred to one or more MPLS forwarding subsystems, and network packets including data organized in accordance with IP are transferred to one or more IP forwarding subsystems.

French Abstract
L'invention concerne un dispositif de reseau comportant au moins une interface ou port physique pouvant transferer des paquets de reseau contenant des donnees organisees en un ou plusieurs protocoles reseau a couche superieure (par exemple, ATM, MPLS, IP, Frame Relay, Voice, Circuit Emulation). Ledit port peut etre connecte a une annexe de reseau afin de permettre que le dispositif de reseau puisse transferer des paquets de reseau avec d'autres dispositifs de reseau. Des paquets de reseau sont recus par le port et un sous-systeme de port conforme a un protocole de reseau a couche physique, puis transferes vers des sous-systemes de reexpedition a l'interieur du dispositif de reseau conformes aux protocoles a couche superieure dans lesquels les donnees de paquets de reseau ont ete organisees. Par exemple, les donnees organisees conformement a ATM via SONET, MPLS via SONET et IP via SONET peuvent etre transferees via une annexe de reseau vers un port du dispositif de reseau. Les paquets de reseau contenant des donnees organisees conformement a ATM sont ensuite transferes vers un ou plusieurs sous-systemes de reexpedition ATM et les paquets de reseau contenant des donnees organisees conformement a IP sont transferes sur un ou plusieurs sous-systemes de reexpedition IP. Pour une efficacite accrue, ce dispositif de reseau permet a l'administrateur de reseau de n'ajouter que le nombre et les types de sous-systemes de reexpedition necessaires pour repondre au service de reseau souscrit pour chaque protocole de reseau a couche. Par ailleurs, ce dispositif de reseau peut necessiter moins d'interfaces physiques que les dispositifs de reseau anterieurs.

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Search Rpt 20020704 Late publication of international search report
Republication 20020704 A3 With international search report.
Examination 20021205 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:
Detailed Description

Detailed Description
... and minimize the network management traffic sent over WANs and the Internet, a local network **management** system (NMS) relational **database** is included in cach domain and only particular data stored within each local NMS **database** is copied to a central NMS data repository. The data in the central NMS data...

...track overal! network health. Each network device in each NMS domain includes an embedded relational **database** that stores a master copy of the network device's configuration. The embedded **database** sends configuration data **changes** directly to the local NMS **database** . As a result, the local NMS database includes complete and updated configuration informafion for cach...

...within its domain, and selectively rolling up data from local NMS databases to the central **data repository** ensures that overall network **management** decisions are based on complete and, updated configuration information across the entire network. This hierarchical...

29/5,K/15 (Item 10 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00579171 **Image available**
EXTRACTION OF VENDOR INFORMATION FROM WEB SITES
EXTRACTION D'INFORMATIONS DE SITES WEB CONCERNANT DES VENDEURS
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Inventor(s):
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KHER Raghav P, 17436 NE 38th Street, Redmond, WA 98052, US,
JACOBS Bradley W, 29824 - 25th Place South, Federal Way, WA 98003, US,
Legal Representative:
BERGSTROM Robert W (agent), Weiss Jensen Ellis & Howard, Suite 2600, 520 Pike Street, Seattle, WA 98101, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200042544 A2-A3 20000720 (WO 0042544)
Application: WO 2000US1084 20000118 (PCT/WO US00001084)
Priority Application: US 99232357 19990115
Designated States:
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AU BR CA CN IN JP KR NO NZ SG
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Main International Patent Class (v7): G06F-017/30
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Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 15500

English Abstract
A database and database creation, maintenance, and update processes and tools for storing vendor information for use in technology-enabled markets. The vendor information stored within the database allows for automated compilations of lists of vendors having an arbitrary geographical proximity to a customer, offering a product or service desired by the customer, and meeting various customer preferences. Database creation and update tools extract information from various information sources, such as Internet-based web sites, and enhance and update the database on a continuous basis.

French Abstract
L'invention concerne une base de donnees ainsi que des procedes et des outils de creation, d'entretien et de mise a jour de la base de donnees pour stocker des informations concernant des vendeurs, ces informations etant utiles dans des marches facilites par des technologies. Les informations concernant les vendeurs, stockees dans la base de donnees, permettent de compiler automatiquement des listes de vendeurs qui presentent une proximite geographique arbitraire par rapport a un client, d'offrir un produit ou un service voulu par le client, et de repondre a diverses preferences de client. Les outils de creation et de mise a jour de la base de donnees permettent d'extraire des informations provenant de diverses sources d'information, tels des sites Web d'Internet, d'ameliorer et de mettre a jour la base de donnees en continu.

Legal Status (Type, Date, Text)
Search Rpt 20030313 Late publication of international search report

Republication 20030313 A3 With international search report.
Search Rpt 20030313 Late publication of international search report
Rev Srch Rpt 20040422 Late publication of revised international search report
Republication 20040422 A3 With international search report.

Fulltext Availability:
Detailed Description

Detailed Description
... invention will be apparent to those skilled in the art. For example, the IMMM vendor **database** may be implemented as an ad hoc database, using common programming languages and operating system...

...the various types of database management systems, including hierarchical, networking, relational, object-oriented, and hybrid **database** management systems. Many **different** techniques may be employed to **determine** that newly **acquired** information matches an existing **record** , and many different methods can be employed to recognize and parse vendor information from web...

...infon-nation, or vendor information formatted and represented in different ways. The steps in the **database** creation and update processes described above may be somewhat varied in sequence and may be...

29/5,K/16 (Item 11 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00566625 **Image available**
OPTIMIZATION OF CHANGE LOG HANDLING
OPTIMISATION DE LA MANIPULATION DU JOURNAL DE MODIFICATIONS
Patent Applicant/Assignee:
TELEFONAKTIEBOLAGET LM ERICSSON (publ),
Inventor(s):
BIRKLER Jorgen,
NOVAK Lars,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200029998 A2 20000525 (WO 0029998)
Application: WO 99SE2004 19991105 (PCT/WO SE9902004)
Priority Application: US 98108902 19981117; US 98110485 19981201; US 99427910 19991027
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AL AM AT AU AZ BA BB BG BR BY CA CH CN CR CU CZ DE DK DM EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Main International Patent Class (v7): G06F-017/60
International Patent Class (v7): G06F-017/30
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 6465

English Abstract
An information synchronization method and apparatus stores a change log (240) having an associated change counter at a first database (230), updates the change counter at the first database (230) in response to a database update command from a second database (200), and returns the updated change counter to the second database (200) in response to a processing condition resulting from the database update command at the first database (230). The information synchronization protocol (220) ensures that the second database (200) maintains the most current change counter for use in a subsequent synchronization procedure and in the event that an interruption or error occurs, thereby increasing the efficiency of information synchronization by enabling the second database (200) to process only those changes of the first database (230) occurring after the updated change counter.

French Abstract
La presente invention concerne un procede et un dispositif de synchronisation des informations impliquant, d'une part le stockage d'un journal de modifications (240) auquel est associe un compteur de modification dans une premiere base de donnees (230), d'autre part la mise a jour du compteur de modifications de la premiere base de donnees (230) en reaction a une commande de mise a jour de base de donnees provenant d'une deuxieme base de donnees (200), et enfin le retour dans la deuxieme base de donnees (200) du compteur de modifications mis a jour en reaction a une condition de traitement resultant de la commande de mise a jour de base de donnees dans la premiere base de donnees (230). Le protocole de synchronisation des informations (220) garantit que c'est le

compteur de modification le plus courant que la deuxieme base de donnees (200) tient a jour pour utilisation dans une procedure ulterieure de synchronisation, et pour le cas ou il se produirait une interruption ou une erreur. Il en resulte une augmentation de l'efficacite de la synchronisation des informations, du fait que la deuxieme base de donnees (200) a la possibilite de ne traiter que celles des modifications de la premiere base de donnees (230) qui se sont produites apres le compteur de modification mis a jour.

Fulltext Availability:
Detailed Description

Detailed Description
... fast synchronization procedure, the sync engine 210 submits its stored change counter to the device **database** 230 and requests from the device database 230 at step 390 the entries of the...

...210 to reread the change log 240 when a connection is reestablished in order to **receive** the oldest unsynchronized entry of the change **log** 240.

At step 400, if the device **database** 230 **determines** that not all unsynchronized 0 **changes** are present in the change **log** 240 (e.g., some of the entries in the change log 240 occurring after the submitted change counter have been pushed out), the device **database** 230 returns a "too many changes" indication, such as an "", to the sync engine210atstep415. This...

29/5,K/17 (Item 12 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00506728 **Image available**

A SECURE DATABASE MANAGEMENT SYSTEM FOR CONFIDENTIAL RECORDS

SYSTEME DE GESTION D'UNE BASE DE DONNEES PROTEGEE CONTENANT DES INFORMATIONS CONFIDENTIELLES

Patent Applicant/Assignee:
HO Andrew P,
Inventor(s):
HO Andrew P,

Patent and Priority Information (Country, Number, Date):
Patent: WO 9938080 A1 19990729
Application: WO 99US1366 19990121 (PCT/WO US9901366)
Priority Application: US 9872740 19980127; US 99229694 19990113
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AT AU AZ BA BB BG BR BY CA CH CN CU CZ CZ DE DE DK DK EE EE ES
FI FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT
LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SK SL TJ TM TR
TT UA UG US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU
TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG
CI CM GA GN GW ML MR NE SN TD TG
Main International Patent Class (v7): G06F-013/00
International Patent Class (v7): H04L-009/32
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 5685

English Abstract
A system (100) for managing sensitive data is described. The system prevents a system administrator from accessing sensitive data by storing data and identifier information on different computer systems. Each query is encrypted using two codes, the first code readable only by an identifier database (128) and a second code readable only by a data access database (152). By routing the data path from a source terminal (104) to the identifier database (128) which substitutes an internal ID, then to the data access database (152) and back to the source terminal (104), data security is significantly improved.

French Abstract
L'invention concerne un systeme (100) de gestion de donnees confidentielles, qu'on peut mettre en oeuvre pour interdire a un administrateur de systeme d'acceder a des donnees confidentielles en stockant des informations de donnees et d'identification sur differents systemes informatiques. Chaque interrogation est cryptee au moyen de deux codes dont le premier peut etre lu uniquement par une base de donnees d'identification (128) et le deuxieme uniquement par une base de donnees d'acces aux donnees (152). En acheminant les donnees d'un terminal source (104) a la base de donnees d'identification (128) (qui remplace un identificateur interne), et de celle-ci a la base de donnees d'acces aux donnees (152) puis retour au terminal source (104), on ameliore sensiblement la securite des donnees.

Fulltext Availability:
Detailed Description

Detailed Description

... operations, such as retrieving a set of lab results from table 157, the data request **database** 152 uses source terminal I.D. 104 included in the subject data 144 to send...

...to further improve security, in particular to prevent a single system administrator of either identifier **database** 128 or data request database 152 from **sending** queries to the system to try to **determine** internal **identification** codes or to **perform** unauthorized data access, each **database** **maintains** a log. The **identifier** **database** **maintains** a first **log** 156 which may store that a query was received from a certain user at source terminal 104 and that a query occurred at a specific time. Likewise, data request **database** 152 maintains a second log 164 which records the subject internal I.D.

operated upon...

...104 as well as the time at which information was transmitted or received from identifier **database** 128.

When there is a question as to the integrity of the systems, a third...

29/5,K/18 (Item 13 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00456834 **Image available**

A SYSTEM, METHOD AND ARTICLE OF MANUFACTURE FOR SWITCHED TELEPHONY COMMUNICATION

SYSTEME PROCEDE ET ARTICLE CONCU POUR LES COMMUNICATIONS TELEPHONIQUES PAR RESEAU COMMUTE

Patent Applicant/Assignee:
MCI WORLDCOM INC,
Inventor(s):
ZEY David A,

Patent and Priority Information (Country, Number, Date):
Patent: WO 9847298 A2 19981022
Application: WO 98US7927 19980415 (PCT/WO US9807927)
Priority Application: US 97835789 19970415; US 97834320 19970415
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Main International Patent Class (v7): H04M-003/42
International Patent Class (v7): H04M-007/00; H04Q-003/00; H04M-003/30
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 156638

English Abstract

A hybrid telecommunication system includes a switched network which transfers information across the Internet to provide multi-routed and multidimensional callback processing. The hybrid network includes one or more switched networks coupled to one or more packet transmission networks, and a call router coupled to the switched communication network and the packet transmission network to route information to the appropriate switched telephony device or Internet device address. A computer with an attached display communicates with the packet transmission network. The computer is used to initiate remote management of the hybrid network, including tests of the hybrid network. The tests include circuit analysis such as selecting signaling states which could be loop start, ground start, or detecting signals such as dual tone multifrequency, multifrequency or dialpulse. The hybrid network includes support for an operator to monitor the management of the hybrid network, and an expert system to regulate the Quality of Service of the hybrid telecommunication system.

French Abstract

La presente invention se rapporte a un systeme de telecommunications hybride comprenant un reseau commute qui transmet les informations via Internet pour permettre un traitement de rappel multidimensionnel a acheminements multiples. Ce systeme hybride comprend un ou plusieurs reseaux commutes couples a un ou a plusieurs reseaux de transmission par paquets, un dispositif d'acheminement d'appels couple au reseau commute, et un reseau de paquets acheminant les informations a l'adresse du dispositif telephonique commute ou du dispositif Internet. Un ordinateur equipe d'un afficheur communique avec le reseau de paquets. L'ordinateur

assure le declenchement de la telegestion du reseau hybride ainsi que des tests du reseau hybride. Ces tests comprennent l'analyse du circuit et notamment la selection des etats de signalisation ainsi que le demarrage sur court-circuit ou sur prise de terre, mais aussi la detection de signaux tels que les multifrequences bi-tons, les multifrequences ou les impulsions. Le reseau hybride assure une assistance operateur permettant de surveiller la gestion du reseau hybride, un systeme expert assurant le controle qualite de service (QOF) du systeme de telecommunications hybride.

Fulltext Availability:
Detailed Description

Detailed Description
... by a service may be
cached on a service engine 2134 from the ISP 2100 **database** server 2182 to prevent expensive remote database lookups. As the service executes, 7 0z
information...

...unique transaction identifier. The final network element involved with the transaction deposits some end-of- **transaction** information into the Context
Database . A linked list strategy is used for **determining** when all information has been deposited into the Context Database for a particular transaction. Once...

...data in the Context Database. Such operations may include extracting the data from the Context **Database** and delivering it to billing systems or fraud analysis systems.
6. Service Interactions.

In the...

29/5,K/19 (Item 14 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00443927
A COMMUNICATION SYSTEM ARCHITECTURE
ARCHITECTURE D'UN SYSTEME DE COMMUNICATION
Patent Applicant/Assignee:
MCI WORLDCOM INC,
EASTEP Guido M,
LITZENBERGER Paul R,
OREBAUGH Shannon R,
ELLIOTT Isaac K,
STELLE Rick,
SCHRAGE Bruce,
BAXTER Craig A,
ATKINSON Wesley,
KNOSTMAN Chuck,
CHEN Bing,
VANDERSLUIS Kristan,
Inventor(s):
EASTEP Guido M,
LITZENBERGER Paul R,
OREBAUGH Shannon R,
ELLIOTT Isaac K,
STELLE Rick,
SCHRAGE Bruce,
BAXTER Craig A,
ATKINSON Wesley,
KNOSTMAN Chuck,
CHEN Bing,
VANDERSLUIS Kristan,
JUN Fang DI,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9834391 A2 19980806
Application: WO 98US1868 19980203 (PCT/WO US9801868)
Priority Application: US 97794555 19970203; US 97794114 19970203; US 97794689 19970203; US 97807130 19970210; US 97798208 19970210; US 97795270 19970210; US 97797964 19970210; US 97800243 19970210; US 97798350 19970210; US 97797445 19970210; US 97797360 19970210
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM GW HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Main International Patent Class (v7): H04M-007/00
International Patent Class (v7): H04M-003/48; H04L-012/64; H04L-029/06
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 156226

English Abstract
A system and method for routing telephone calls, data and other multimedia information through a hybrid network which may include transfer of information across the internet. Profile information is utilized by the system throughout the media experience for routing,

billing, monitoring, reporting and other media control functions. The system can include prioritized routing. The system can also facilitate callback sessions and present a display to a caller via a web page that includes status information pertaining to the callback session. Calls and callbacks can also be routed over the hybrid network. Through use of the system, users can manage more aspects of a network than previously possible, and may control network activities from a central site.

French Abstract

La presente invention a trait a un procede et a un systeme destines a acheminer des appels telephoniques, des donnees et d'autres informations multimedia a travers un reseau hybride qui peut inclure le transfert d'informations par Internet. Les informations de profil sont utilisees par le systeme pendant toute la vie du support, notamment pour l'acheminement, la facturation, la surveillance, la transmission des donnees ainsi que pour d'autres fonctions de commande du support. Le systeme peut comprendre l'acheminement a priorite et peut egalement faciliter les sessions de rappels et presenter un affichage pour l'abonne demandeur via une page web qui renferme des informations d'etat en rapport avec la session de rappel. Les appels et les rappels peuvent egalement etre achemines a travers le reseau hybride. En employant ce systeme, les utilisateurs peuvent gerer beaucoup plus d'aspects relatifs au reseau qu'il n'etait possible auparavant, et peuvent aussi controler les activites du reseau depuis un site central.

Fulltext Availability:
Detailed Description

Detailed Description

.... running in the call processing engine in step 1802. In step 1803, a lookup is **performed** in the directory information **database** to **determine** routing of the call as described above.

The routing includes storing a billing record in...displays are updated.

In step 532, the new alarm data is stored in the FM **reporting** **database** .

In step 534, the **event** may be **determined** to be a timer. SNMS algorithms
sometimes need to delay further processing of specific conditions...

29/5,K/20 (Item 15 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00412358 **Image available**

COMPUTER NETWORK USING ASSOCIATION AND ERA DATA

RESEAU INFORMATIQUE METTANT EN APPLICATION DES ASSOCIATIONS ET DES DONNEES D'ERE

Patent Applicant/Assignee:
GLENAYRE ELECTRONICS INC,
Inventor(s):
TOSEY Joseph P R,
GODOROJA Andrei,
BELTON James H,

Patent and Priority Information (Country, Number, Date):
Patent: WO 9802819 A1 19980122
Application: WO 97US12048 19970711 (PCT/WO US9712048)
Priority Application: US 9621617 19960712; US 9622045 19960722
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH HU
IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL
PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH KE LS MW SD
SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH DE DK ES FI FR GB GR IE IT
LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG
Main International Patent Class (v7): G06F-013/00
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 8735

English Abstract

An improved computer network (10) and methods for determining current configurations of abstract nodes (22, 23, 36, 44) is accomplished by using era values in the configurations of the abstract nodes. Abstract nodes which represent network components (22, 23, 36, 44) within the network have access to databases containing recorded node configurations. Associations between nodes are established when a node configuration is advertised and recorded in another node's database. Database information on node configurations is kept current by comparing the era value of each advertised node against the era value of the same node as recorded in the database. Since era values indicate a relative time reference for which the node configuration is operative, a more current era value indicates a more current node configuration. Abstract nodes (22, 23, 36, 44) are completely independent entities. Thus, a node's configuration may be independently modified by more than one component in the network.

French Abstract

Reseau informatique ameliore (10) et procedes servant a determiner des configurations actualisees de noeuds abstraits (22, 23, 36, 44) au moyen de valeurs d'ere dans les configurations de noeuds abstraits. Les noeuds abstraits representant des composantes du reseau (22, 23, 36, 44) a l'interieur de ce dernier accedent a des bases de donnees contenant des configurations de noeuds enregistrees. Des associations entre les noeuds sont etablies quant une configuration de noeud est mise en valeur et enregistree dans une autre base de donnees. Les informations de base de donnees concernant les configurations de noeuds sont actualisees en comparant de la valeur d'ere de chaque noeud mis en vvaleur par rapport a la valeur d'ere du meme noeud tel qu'il est enregistre dans la base de

donnees. Etant donne que les valeurs d'ere indiquent une reference temporelle relative pour laquelle la configuration du noeud fonctionne, une valeur d'ere plus actualisee indique une configuration de noeud plus actualisee. Des noeuds abstraits (22, 23, 36 44) representent des entites totalement independantes. De ce fait, la configuration d'un noeud peut etre modifiee de facon independante par plus d'une composante du reseau.

Fulltext Availability:
Detailed Description

Detailed Description .
... an association advertisement, the switch begins a process of comparing the advertised information with information **maintained** in its association database. For each advertised node, the switch determines at box 116 whether an advertisement of that particular node has been previously **received** and **recorded** in the switch's association **database** . This **determination** is **performed** by comparing the **identifier** of the advertised node with the identifiers of nodes in the switch's association database...for the node

For each advertised node found previously recorded in the switch's association **database** , the switch compares at box 118 the era value of the advertised node with the...

29/5,K/21 (Item 16 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00405057 **Image available**

A SYSTEM AND METHOD FOR STORING AND RETRIEVING PERFORMANCE AND TOPOLOGY INFORMATION

SYSTEME ET PROCEDE PERMETTANT LE STOCKAGE ET L'EXTRACTION DE DONNEES DE COMPORTEMENT ET DE CONFIGURATION D'UN RESEAU

Patent Applicant/Assignee:
MCI COMMUNICATIONS CORPORATION,
Inventor(s):
CUMMINS Thomas H,
FRY Christopher D,
HEGEMAN Craig A,

Patent and Priority Information (Country, Number, Date):
Patent: WO 9745801 A1 19971204
Application: WO 97US9454 19970528 (PCT/WO US9709454)
Priority Application: US 96655153 19960528
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AU CA JP MX AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL PT SE
Main International Patent Class (v7): G06F-017/30
International Patent Class (v7): H04J-01:16; H04M-01:24; H04M-07:06
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 23921

English Abstract

A system and method for storing and retrieving performance and topology information of a telecommunications network. A network performance data parser (302) receives network performance data messages in real time, parses the messages according to parsing rules (304), reformats the messages according to the parsing rules, and writes out the reformatted messages to a performance data file (308). A network performance data loader (314) retrieves the reformatted messages from the performance data file and loads them into an open database management system (322). A topology data loader (316) retrieves weekly network topology data from a topology data file and loads it into the open database management system. A sonet data loader (318) retrieves daily network sonet data from a sonet data file (312) and loads it into the open database management system. The open database is easily accessible via any SQL interface.

French Abstract

L'invention concerne un systeme et un procede permettant de stocket et d'extraire des donnees de comportement et de configuration d'un reseau de telecommunications. Un analyseur de donnees de comportement du reseau (302) recoit des messages de donnees en temps reel, analyse et restructure lesdits messages suivant un protocole d'analyse (304), puis transcrit les messages restructures dans un fichier de donnees de comportement (308). Un dispositif de chargement de donnees de comportement du reseau (314) extrait les messages restructures du fichier de donnees de comportement et les charge dans un systeme ouvert de gestion de base de donnees (322). Un dispositif de chargement de donnees de configuration (316) extrait chaque semaine des donnees de configuration du reseau d'un fichier de donnees de configuration et les charge dans le systeme ouvert de gestion de base de donnees. Un dispositif de chargement de donnees SONET (318) extrait quotidiennement

d'un fichier de donnees SONET (312) des donnees SONET de reseau et les charge dans le systeme ouvert de gestion de base de donnees. On peut acceder facilement a la base de donnees ouverte via un quelconque interface SQL.

Fulltext Availability:
Claims
Claim
... The method of claim 5, wherein step (2) comprises :
(2.a) connecting to said open **database** management system;
(2.b) retrieving a list of specific monitoring points in said telecommunications network...

...2.c.4) determine whether said performance data file returned an end-of-file while **performing** step (2.c.3);
(2.c.5) returning said data record if it is **determined** in step (2.c.4) that said **performance data file** did not return an end-of-file;
I 0 (2.c.6) closing and deleting...

...c.7) deten-nining if a second perfon-nance data file exists if it is **determined** in step (2.c.4) that said **performance data file** did return an
1 5 end-of-file;
(2.c.8) returning a first data record from said second **performance data file** if it is **determined** in step (2.c.4) that said **performance data file**
did return an end-of-file;
(2.c.9) updating said entry in said placeholder...

```
Set     Items   Description
S1    1194780   DATABASE? OR DATABANK? OR DATA()(BASE? ? OR BANK? ? OR FIL-
            E? ? OR REPOSITOR? OR WAREHOUSE?) OR DB OR RDB OR OODB OR ODBC
             OR DBMS
S2      90097   S1(7N)(EVENT? ? OR CHANG??? OR PERFORM? OR TRANSACT? OR FL-
            UCTUAT? OR DIFFEREN? OR OCCURR? OR ANOMAL? OR ABERR?)
S3      40627   S1(7N)(FAULT? OR FAILUR? OR FAIL? ? OR FAILING? OR PROBLEM?
             OR ERROR? OR MISTAKE? OR MALFUNCTION? OR TROUBL? OR SYMPTOM?)
S4       1571   S2:S3(7N)(FUTUR? OR LATER OR FORTHCOMING OR PROSPECT? OR N-
            EXT OR SUBSEQUENT?)
S5      21752   S2:S3(7N)(IDENTIF? OR COMPAR? OR DETERMIN? OR DISCERN? OR -
            JUDG??? ? OR ANALY? OR RECOGNI?)
S6       6150   S2:S3(7N)(MONITOR? OR INSPECT? OR DETECT? OR CHECK? OR UNC-
            OVER? OR REVEAL? OR DISCOVER?)
S7        575   S5:S6(7N)(CONTINU? OR CONSTANT? OR PERPET? OR STEAD? OR RE-
            GULAR? OR NONSTOP OR REALTIME? OR REAL()TIME? ?)
S8       2672   S2:S4(7N)(PREDICT? OR FORECAST? OR ANTICIPAT? OR FORE??? ?
            OR PROGNOST? OR JUDG??? ?)
S9       5220   S2:S4(7N)(GUESS? OR DETERMIN? OR ESTIMAT? OR CALCULAT? OR -
            FORMULAT?)
S10      1586   S5:S9(7N)(RECORD? OR DOCUMENT? OR LOG OR LOGGED OR LOGGING
            OR LOGS OR CHRONICL? OR ARCHIV? OR REPORT?)
S11       140   S10(7N)(DELIVER? OR SEND??? OR SENT OR UPLOAD? OR TRANSMI?
            OR BEAM??? OR PROVID? OR SUPPLY? OR INPUT? OR ENTER?)
S12       150   S10(7N)(RECEIV? OR ACCEPT? OR ACQUIR? OR OBTAIN? OR PULL??-
            ?()DOWN?? OR PROCUR??? OR GET? ? OR FETCH??? OR RETRIEV? OR D-
            OWNLOAD?)
S13    193614   S1(7N)(MANAG? OR DIRECT? OR ADMINISTRAT? OR REGULAT? OR CO-
            NTROL? OR SUSTAIN? OR ORDER??? OR MAINTAIN? OR OPTIMI?)
S14      2991   S5:S6 AND S8:S9
S15         8   S14 AND S5:S6(3N)(AGAIN OR BACK OR RE)
S16         6   RD  (unique items)
S17      2983   S14 NOT S15
S18        36   S17 AND S11:S12
S19        35   S18 NOT (PY>2003 OR PY=2004:2006)
S20        25   RD  (unique items)
S21      6147   S5:S7 AND S13
S22       190   S21 AND S7
S23        22   S22 AND S8:S9
S24         0   S23 AND S11:S12
S25       195   S11:S12 AND DATABASE?
S26        18   RD S23  (unique items)
File   2:INSPEC 1898-2006/Oct W3
         (c) 2006 Institution of Electrical Engineers
File   6:NTIS 1964-2006/Oct W3
         (c) 2006 NTIS, Intl Cpyrght All Rights Res
File   8:Ei Compendex(R) 1970-2006/Oct W3
         (c) 2006 Elsevier Eng.  Info. Inc.
File  34:SciSearch(R) Cited Ref Sci 1990-2006/Oct W3
         (c) 2006 The Thomson Corp
File  35:Dissertation Abs Online 1861-2006/Sep
         (c) 2006 ProQuest Info&Learning
File  56:Computer and Information Systems Abstracts 1966-2006/Oct
         (c) 2006 CSA.
File  60:ANTE: Abstracts in New Tech & Engineer 1966-2006/Oct
         (c) 2006 CSA.
File  62:SPIN(R) 1975-2006/Oct W3
         (c) 2006 American Institute of Physics
File  65:Inside Conferences 1993-2006/Oct 25
         (c) 2006 BLDSC all rts. reserv.
File  94:JICST-EPlus 1985-2006/Jul W3
```

(c)2006 Japan Science and Tech Corp(JST)
File 95:TEME-Technology & Management 1989-2006/Oct W4
(c) 2006 FIZ TECHNIK
File 99:Wilson Appl. Sci & Tech Abs 1983-2006/Sep
(c) 2006 The HW Wilson Co.
File 111:TGG Natl.Newspaper Index(SM) 1979-2006/Oct 11
(c) 2006 The Gale Group
File 144:Pascal 1973-2006/Oct W1
(c) 2006 INIST/CNRS
File 239:Mathsci 1940-2006/Dec
(c) 2006 American Mathematical Society
File 256:TecInfoSource 82-2006/Apr
(c) 2006 Info.Sources Inc
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 2006 The Thomson Corp
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group

16/7/4 (Item 4 from file: 2)
DIALOG(R)File 2:INSPEC

04648710 INSPEC Abstract Number: C90041906

Title: Timestamp ordering concurrency control mechanisms for transactions of various length

Author(s): Xingguo Zhong; Kambayashi, Y.
Author Affiliation: Dept. of Comput. Sci. & Commun. Eng., Kyushu Univ., Fukuoka, Japan

Conference Title: INRIA. Foundations of Data Organization and Algorithms. 3rd International Conference, FODO 1989 Proceedings p.505-16
Editor(s): Litwin, W.; Schek, H.-J.
Publisher: Springer-Verlag, Paris, France
Publication Date: 1989 Country of Publication: France viii+531 pp.
ISBN: 3 540 51295 0
Conference Date: 21-23 June 1989 Conference Location: Paris, France
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)

Abstract: Timestamp ordering concurrency control mechanisms were considered to be quite suitable for distributed **database** systems, since **transactions** to be rolled **back** can be **determined** locally at each site. Experiments, however, have shown that timestamp ordering mechanisms do not seem to be efficient and has a starvation problem for long transactions. To improve efficiency of timestamp ordering mechanisms the authors propose to use a termination timestamp which is defined by a predicted commitment time or a predicted last read/write request time of a transaction. Besides other advantages the mechanism simplifies operations required for short selection. The abort selection method tries to improve the efficiency by selecting a proper transaction to be rolled back when conflict occurs. Comparison of several timestamp ordering methods obtained by combining these techniques is also given. (12 Refs)

Subfile: C

26/7/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

08511105 INSPEC Abstract Number: C2003-03-7480-001
Title: Computer expert system of equipment operation monitoring in continuous casting
Author(s): Hao Pei-feng; Liu Hui-lin; Zhang Li; Wu Jian-ming
Author Affiliation: Sch. of Inf. Sci. & Eng., Northeastern Univ., Shenyang, China
Journal: Journal of Northeastern University (Natural Science) vol.23, no.9 p.817-20
Publisher: Editorial Dept. J. Northeastern Univ. Natural Sci,
Publication Date: Sept. 2002 Country of Publication: China
CODEN: DDXKEZ ISSN: 1005-3026
SICI: 1005-3026(200209)23:9L.817:CESE;1-1
Material Identity Number: B287-2002-001
Language: Chinese Document Type: Journal Paper (JP)
Treatment: Applications (A); Practical (P)
Abstract: A data collection system for continuous casting equipment was investigated in the hardware, software and data communicating mode to realize **real time** data reading from the **detection** system electric PLC during casting. A **failure** computer **detection** , prediction system and **database** management system for **continuous** casting were designed and built in detail. The prediction model of a neural network for a driving roll system was studied. failures in the casting mainframe were diagnosed by this expert system to prevent casting flaws in production. The new detection system has more functions in **database management** , intelligent equipment **management** and a model algorithm than the old electric PLC system. The system worked stably and effectively during six months of experience in a real production line. (10 Refs)
Subfile: C

26/7/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

06350164 INSPEC Abstract Number: C9610-6160B-005
Title: Practical throughput estimation for parallel databases
Author(s): Shaoyu Zhou; Williams, M.H.; Taylor, H.
Author Affiliation: Dept. of Comput. & Electr. Eng., Heriot-Watt Univ., Edinburgh, UK
Journal: Software Engineering Journal vol.11, no.4 p.255-63
Publisher: IEE for British Comput. Soc. & IEE,
Publication Date: July 1996 Country of Publication: UK
CODEN: SEJOED ISSN: 0268-6961
SICI: 0268-6961(199607)11:4L.255:PTEP;1-X
Material Identity Number: J806-96004
U.S. Copyright Clearance Center Code: 0268-6961/96/$10.00
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: Methods for **estimating** the performance of **database** management systems can aid the design of **database** systems by **identifying** potential **performance** bottlenecks or by **predicting** the relative performance of **different** designs. **Performance estimation** is critical in parallel **database** systems with distributed memory, where an effective overall performance depends on a good choice among a wide range of ways of placing data. An approach is described for the **performance estimation** for shared-nothing parallel **database** systems. This **analytical** system throughput **estimator**, called **STEADY** (System Throughput Estimator for Advanced Database sYstems), estimates system throughput for a given benchmark or set of queries, and can exercise different data placement schemes to determine the data layout that provides the best throughput value. (23 Refs)
Subfile: C

26/7/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC

05117638 INSPEC Abstract Number: C9205-6160-004
Title: A methodology for real-time database system construction
Author(s): Sleat, P.; Osmon, P.
Author Affiliation: City Univ., London, UK
Conference Title: Third International Conference on Software Engineering for Real Time Systems (Conf. Publ. No.344) p.233-8
Publisher: IEE, London, UK
Publication Date: 1991 Country of Publication: UK viii+287 pp.
ISBN: 0 85296 526 5
Conference Sponsor: IEE
Conference Date: 16-18 Sept. 1991 Conference Location: Cirencester, UK
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: A description is given of some research into well specified real-time database systems which permit analysis of the data access requirements of transactions before run-time. This enables one to do all concurrency control at system build time. Moving the concurrency control away from the run-time environment allows **deterministic** hard **real - time** scheduling of **database transactions** in the **real - time** system. A complete **real - time** system design and implementation methodology based on this work is presented. (15 Refs)
Subfile: C

26/7/5 (Item 5 from file: 2)
DIALOG(R)File 2:INSPEC

04128359 INSPEC Abstract Number: C88030134
Title: International Conference on Software Engineering for Real Time Systems (Publ. No.77)
Publisher: IERE, London, UK
Publication Date: 1987 Country of Publication: UK 184 pp.
ISBN: 0 903748 74 6
Conference Date: 28-30 Sept. 1987 Conference Location: Cirencester, UK
Language: English Document Type: Conference Proceedings (CP)
Treatment: Practical (P)
Abstract: The following topics were dealt with: tool support for the verification and validation of formal requirements specifications; embedded software validation; Yourdon extended SA/SD method for embedded system design; training the software engineer of tomorrow; software engineering; four suites of personal computer CSCAD packages for the learning environment; **real - time** programming in C for dedicated microcontrollers; **database** design for process **monitoring** and **control** ; **performance prediction** of loosely coupled systems; architectural support for high-level real-time languages; real-time language for microcomputer intelligent controllers; PC based real time measurement and control system; positional accuracy and adaptive control of a robotic manipulator; microprocessor minimal stator ripple current control for inverter-fed induction motors; real-time expert system for machine condition monitoring; concurrent high-level language based real-time controller; Modula-2 for distributed systems; interprocess communications in real-time systems; parallel computer based on lambda graphs; portable online railway signal interference measurement; applications DBMS; portable real time multi-tasking kernel; soft real-time multi-tasking BASIC interpreter; and FSM descriptions. Abstracts of individual papers can be found under the relevant classification codes in this or other issues.
Subfile: C

26/7/6 (Item 1 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

08229125 E.I. No: EIP06381012365
Title: Construction of grid real-time data warehouse in substation
Author: Shi, Xing-Hua; Jiang, Hai-Tao
Corporate Source: Zhejiang Power Supply Bureau, Hangzhou 310007, China
Source: Dianli Zidonghua Shebei / Electric Power Automation Equipment v 26 n 3 March 2006. p 41-44
Publication Year: 2006
CODEN: DZSHFK ISSN: 1006-6047
Language: Chinese
Document Type: JA; (Journal Article) Treatment: X; (Experimental)
Journal Announcement: 0609W4
Abstract: Three key **problems** in power grid **real - time data warehouse** construction are summarized and **analyzed** : **determination** of information unification way, selection of information integration way and selection of information integration platform in substation. As a substation information-collecting platform, the embedded SIADS (Substation intelligent Information integration and Data Server) is recommended for substations to communicate with IEDs or dedicative intelligent systems. It observes IEC 61850 or IEC 60870-103/104, and isolates the data from acquisition module in bay level IEDs and uploading data service information to ensure the secure operations of real-time database PI system and bay level IEDs in substation. 10 Refs.

26/7/7 (Item 2 from file: 8)
DIALOG(R)File 8:Ei Compendex(R)

06793508 E.I. No: EIP04148101328
Title: Past location estimation of mobile objects
Author: Oh, In Bae; Ahn, Yoon Ae; Ryu, Keun Ho
Corporate Source: Department of Computer Science Chongju Natl. Coll. of Sci. Technol., Chongju, South Korea
Conference Title: Proceedings of the International Conference on Artificial Intelligence, IC-AI 2003
Conference Location: Las Vegas, NV, United States Conference Date: 20030623-20030626
E.I. Conference No.: 62570
Source: Proceedings of the International Conference on Artificial Intelligence IC-AI 2003 v 2 2003.
Publication Year: 2003
ISBN: 1932415122
Language: English
Document Type: CA; (Conference Article) Treatment: A; (Applications); T ; (Theoretical)
Journal Announcement: 0404W2
Abstract: Mobile objects are spatiotemporal data that change their location or shape continuously over time. Generally, if continuous mobile objects are **managed** by conventional **database management** system, a problem arises that they can not process past and future location estimation operation not stored in the database. Up to now, the linear interpolation to estimate the past location has been usually used. However, it is suitable for the linear moving route and not suitable for a curve. Therefore, in this paper, we propose a past location estimation method on the moving target on curved routes. Finally, we analyze the characteristics of the proposed method with experimental results using simulation data. 16 Refs.

26/7/13 (Item 2 from file: 35)
DIALOG(R)File 35:Dissertation Abs Online

01874639 ORDER NO: AADAA-I3041927
Temporally correct algorithms for transaction concurrency control **in distributed** databases
Author: Tuck, Terry Wayne
Degree: Ph.D.
Year: 2001
Corporate Source/Institution: University of North Texas (0158)
Major Professor: Azzedine Boukerche
Source: VOLUME 63/02-B OF DISSERTATION ABSTRACTS INTERNATIONAL.
PAGE 884. 211 PAGES
ISBN: 0-493-55430-0

Many activities are comprised of temporally dependent events that must be executed in a specific chronological order. Supportive software applications must preserve these temporal dependencies. Whenever the processing of this type of an application includes transactions submitted to a database that is shared with other such applications, the transaction concurrency **control** mechanisms within the **database** must also preserve the temporal dependencies. A basis for preserving temporal dependencies is established by using (within the applications and **databases**) **real - time** timestamps to **identify** and **order** **events** and transactions.

The use of optimistic approaches to transaction concurrency control can be undesirable in such situations, as they allow incorrect results for database read operations. Although the incorrectness is detected prior to transaction committal and the corresponding transaction(s) restarted, the impact on the application or entity that submitted the transaction can be too costly.

Three transaction concurrency control algorithms are proposed in this dissertation. These algorithms are based on timestamp ordering, and are designed to preserve temporal dependencies existing among data-dependent transactions. The algorithms produce execution schedules that are equivalent to temporally ordered serial schedules, where the temporal order is established by the transactions' start times. The algorithms provide this equivalence while supporting currency to the extent out-of-order commits and reads.

With respect to the stated concern with optimistic approaches, two of the proposed algorithms are risk-free and return to read operations only committed data-item values. Risk with the third algorithm is greatly reduced by its conservative bias. All three algorithms avoid deadlock while providing risk-free or reduced-risk operation.

The performance of the algorithms is **determined** analytically and with experimentation. Experiments are **performed** using functional **database** **management** system models that implement the proposed algorithms and the well-known Conservative Multiversion Timestamp Ordering algorithm.

26/7/14 (Item 1 from file: 56)
DIALOG(R)File 56:Computer and Information Systems Abstracts

0000011746 IP ACCESSION NO: 0087005
Control/IMS' Gets Warning Option

COMPUTERWORLD, v 14, n 42, p 53, 1980
PUBLICATION DATE: 1980

DOCUMENT TYPE: Journal Article
RECORD TYPE: Abstract
LANGUAGE: English
FILE SEGMENT: Computer & Information Systems Abstracts

ABSTRACT:
Boole & Babbage, Inc. has released an option for its Control/IMS Realtime software that is said to feature automatic early warning of **problems** with IBM's IMS **data base management** system, automatic **performance monitoring** , rate of activity **calculating** and historical plotting. The Control/IMS Realtime base product is an on-line, **realtime** system for **detecting** and diagnosing **problems** and evaluating **performance** in the IMS **data base** and communications environment. It runs on IBM 370 and compatible mainframes under the SVS, VS1 and MVS operating systems.

26/7/17 (Item 3 from file: 144)
DIALOG(R)File 144:Pascal

14082791 PASCAL No.: 99-0275726

Some results from a new technique for response time estimation in parallel DBMS

HPCN '98 : high-performance computing and networking : Amsterdam, 12-14 April 1999

TOMOV N; DEMPSTER E; WILLIAMS M H; BURGER A; TAYLOR H; KING P J B; BROUGHTON P

SLOOT Peter, ed; BUBAK Marian, ed; HOEKSTRA Alfons, ed; HERTZBERGER Bob, ed

Department of Computing and El. Engineering, Heriot-Watt University, Edinburgh EH14 4AS, United Kingdom; International Computers Limited, High Performance Technology, Wenlock Way, West Gorton, Manchester M12 5DR, United Kingdom

High-performance computing and networking. International conference, 7 (Amsterdam NLD) 1999-04-12

Journal: Lecture notes in computer science, 1999, 1593 713-721

ISBN: 3-540-65821-1 ISSN: 0302-9743 Availability: INIST-16343; 354000074583190730

No. of Refs.: 14 ref.

Document Type: P (Serial); C (Conference Proceedings) ; A (Analytic)

Country of Publication: Germany

Language: English

The need for tools for **performance prediction** of parallel **database** systems is generally **recognised** . One such tool which has been developed (**Steady**) is based on analytical techniques to obtain a rapid estimate of performance. The approach to predicting response time involves a heuristic approximation coupled with standard queueing solutions. This paper reports on preliminary results for both maximum transaction throughput and response time obtained in comparing this approach against actual measurements.

23/3,K/2 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01908959 SUPPLIER NUMBER: 18046544 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Design and replication: issues with mobile applications. (DBMS replication) (Part 1) (Technology Information)(Cover Story)
Froemming, Glenn
DBMS, v9, n3, p48(6)
March, 1996
DOCUMENT TYPE: Cover Story ISSN: 1041-5173 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 4207 LINE COUNT: 00343

... remote users simply pick up their transactions when they choose to call in. No server **database** cycles are consumed.

The **Performance** Impact

Invariably, adding replication to an application imposes some level of performance impact at every site involved in the replication process. Replication is typically **provided** using:

1. transaction log "sniffing" or "scraping" (the **change** is **determined** by picking through the **database** **transaction** log); or

2. **database** triggers and procedures record **changes** , or some other mechanism that captures DML statements and records those changes in a **change** file.

Of these two approaches, the **database** trigger and capture mechanism approach has more of an impact on real-time application **performance** , because **database** journaling is usually turned on anyway for any application with recovery requirements. The performance cost...

```
Set      Items   Description
S1     2551534   DATABASE? OR DATABANK? OR DATA()(BASE? ? OR BANK? ? OR FIL-
             E? ? OR REPOSITOR? OR WAREHOUSE?) OR DB OR RDB OR OODB OR ODBC
              OR DBMS
S2      226099   S1(7N)(EVENT? ? OR CHANG??? OR PERFORM? OR TRANSACT? OR FL-
             UCTUAT? OR DIFFEREN? OR OCCURR? OR ANOMAL? OR ABERR?)
S3       48922   S1(7N)(FAULT? OR FAILUR? OR FAIL? ? OR FAILING? OR PROBLEM?
              OR ERROR? OR MISTAKE? OR MALFUNCTION? OR TROUBL? OR SYMPTOM?)
S4        4813   S2:S3(7N)(FUTUR? OR LATER OR FORTHCOMING OR PROSPECT? OR N-
             EXT OR SUBSEQUENT?)
S5       23193   S2:S3(7N)(IDENTIF? OR COMPAR? OR DETERMIN? OR DISCERN? OR -
             JUDG??? ? OR ANALY? OR RECOGNI?)
S6       13948   S2:S3(7N)(MONITOR? OR INSPECT? OR DETECT? OR CHECK? OR UNC-
             OVER? OR REVEAL? OR DISCOVER?)
S7        1859   S5:S6(7N)(CONTINU? OR CONSTANT? OR PERPET? OR STEAD? OR RE-
             GULAR? OR NONSTOP OR REALTIME? ? OR REAL()TIME? ?)
S8        2445   S2:S4(7N)(PREDICT? OR FORECAST? OR ANTICIPAT? OR FORE??? ?
             OR PROGNOST? OR JUDG??? ?)
S9        8080   S2:S4(7N)(GUESS? OR DETERMIN? OR ESTIMAT? OR CALCULAT? OR -
             FORMULAT?)
S10       5179   S5:S9(7N)(RECORD? OR DOCUMENT? OR LOG OR LOGGED OR LOGGING
              OR LOGS OR CHRONICL? OR ARCHIV? OR REPORT?)
S11        844   S10(7N)(DELIVER? OR SEND??? OR SENT OR UPLOAD? OR TRANSMI?
             OR BEAM??? OR PROVID? OR SUPPLY? OR INPUT? OR ENTER?)
S12        204   S10(7N)(RECEIV? OR ACCEPT? OR ACQUIR? OR OBTAIN? OR PULL??-
             ?()DOWN?? OR PROCUR??? OR GET? ? OR FETCH??? OR RETRIEV? OR D-
             OWNLOAD?)
S13     584898   S1(7N)(MANAG? OR DIRECT? OR ADMINISTRAT? OR REGULAT? OR CO-
             NTROL? OR SUSTAIN? OR ORDER??? OR MAINTAIN? OR OPTIMI?)
S14       2544   S5:S6(100N)S8:S9
S15         58   S14(100N)S11:S12
S16         14   S15(100N)S13
S17          3   S15(100N)S7
S18         16   S16:S17
S19         13   RD  (unique items)
S20         44   S15 NOT S16
S21         35   S20(100N)S2
S22         24   S21 NOT (PD>2003 OR PD=2004:2006)
S23         21   RD  (unique items)
File 275:Gale Group Computer DB(TM) 1983-2006/Oct 24
         (c) 2006 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2006/Oct 24
         (c) 2006 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2006/Oct 24
         (c) 2006 The Gale Group
File  16:Gale Group PROMT(R) 1990-2006/Oct 24
         (c) 2006 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2006/Oct 25
         (c)2006 The Gale Group
File 624:McGraw-Hill Publications 1985-2006/Oct 25
         (c) 2006 McGraw-Hill Co. Inc
File  15:ABI/Inform(R) 1971-2006/Oct 25
         (c) 2006 ProQuest Info&Learning
File 647:CMP  Computer Fulltext 1988-2006/Dec W2
         (c) 2006 CMP Media, LLC
File 674:Computer News Fulltext 1989-2006/Sep W1
         (c) 2006 IDG Communications
File 696:DIALOG Telecom. Newsletters 1995-2006/Oct 24
         (c) 2006 Dialog
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File 369:New Scientist 1994-2006/Aug W4

File 810:Business Wire 1986-1999/Feb 28

File 813:PR Newswire 1987-1999/Apr 30

File 610:Business Wire 1999-2006/Oct 25

File 613:PR Newswire 1999-2006/Oct 25

23/3,K/2 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01908959 SUPPLIER NUMBER: 18046544 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Design and replication: issues with mobile applications. (DBMS replication) (Part 1) (Technology Information)(Cover Story)
Froemming, Glenn
DBMS, v9, n3, p48(6)
March, 1996
DOCUMENT TYPE: Cover Story ISSN: 1041-5173 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 4207 LINE COUNT: 00343

... remote users simply pick up their transactions when they choose to call in. No server **database** cycles are consumed.

The **Performance** Impact

Invariably, adding replication to an application imposes some level of performance impact at every site involved in the replication process. Replication is typically **provided** using:

1. transaction log "sniffing" or "scraping" (the **change** is **determined** by picking through the **database** **transaction** log); or
2. **database** triggers and procedures record **changes** , or some other mechanism that captures DML statements and records those changes in a **change** file.

Of these two approaches, the **database** trigger and capture mechanism approach has more of an impact on real-time application **performance** , because **database** journaling is usually turned on anyway for any application with recovery requirements. The performance cost...

23/3,K/3 (Item 3 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01862629 SUPPLIER NUMBER: 17581440 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Keeping an eye on your database server. (Product Information)
Linthicum, David
DBMS, v8, n12, p60(6)
Nov, 1995
ISSN: 1041-5173 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 4045 LINE COUNT: 00339

... and CEO return from training on the new reporting tool, the DBA notices that the **performance** level of the database server goes way outside the acceptable range several times a day...

...users pointed them out (because they exist only for short periods each day). A database **performance** monitoring tool could also help **determine** what mused the problem, by drilling down to the particular ...really worked, and, more important, if they continue to work.

There are three categories of **database** monitoring tools: Performance monitoring tools that come with your database server; performance **monitoring** tools that come with the host operating system; and performance monitoring tools from a third-party vendor.

There are several ways that **performance** **monitoring** tools can **determine** your **database** server **performance** . Some tools, such as SES's C/S Composer, use detailed simulation models to predict...

23/3,K/4 (Item 1 from file: 636)
DIALOG(R)File 636:Gale Group Newsletter DB(TM)

03731910 Supplier Number: 48068136 (USE FORMAT 7 FOR FULLTEXT)
UNISYS: Unisys launches Cool ICE at Electronic Commerce'97
M2 Presswire, pN/A
Oct 22, 1997
Language: English Record Type: Fulltext
Document Type: Newswire; Trade
Word Count: 707

... securely distribute information over the Internet; and a Cool ICE service handler and repository which **determines** requests for information and **retrieves** from the **database** .

Advanced facilities also include user authentication, security, **transaction logging** , dynamic page creation and data manipulation.

The Cool ICE solution is uniquely scalable and runs...

23/3,K/5 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)

04979123 Supplier Number: 47314755 (USE FORMAT 7 FOR FULLTEXT)
Net Access Manager monitors online use efficiently
Coopee, Todd
InfoWorld, p48C
April 21, 1997
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1162

... the Corporate Defaults window. These defaults define how NAM monitors and controls traffic on an **enterprisewide** basis. You can **determine** how often NAM should retrieve and write **transaction log** data to the **database** , whether to enable **logging** , and which network protocols to track. New to this version is the capability to activate...

23/3,K/6 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

15778371 SUPPLIER NUMBER: 99512113 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Tivoli simplifies service-level monitoring: software fuses network, systems management tools. (News).
Meehan, Michael
Computerworld, 36, 16, 8(1)
April 15, 2002
ISSN: 0010-4841 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 492 LINE COUNT: 00043

... Up and Coming
What Tivoli plans to release over the next month:
Service Level Advisor **Predicts** outages and measures how well applications **perform** from an end-user perspective.
Enterprise Data Warehouse Uses IBM DB2 technology to **archive monitoring** data; comes with all Tivoli products.
Directory Server 4.1 Comes with all Tivoli products...

23/3,K/7 (Item 2 from file: 148)

14718014 SUPPLIER NUMBER: 87870212 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Technology for small governments: Ohio's uniform accounting network.(Brief Article)
Petro, Jim
Government Finance Review, 18, 3, 24(4)
June, 2002
DOCUMENT TYPE: Brief Article ISSN: 0883-7856 LANGUAGE: English
RECORD TYPE: Fulltext
WORD COUNT: 2906 LINE COUNT: 00272

... application features include a spell checker, thesaurus, print preview function, and others.

Spreadsheet Assists in **performing** repetitive **calculations** or numerical **comparisons** .

Database Assists in storing, **retrieving** , and **reporting** on any kind

23/3,K/8 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

11356927 SUPPLIER NUMBER: 55804589 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Bridging the gap between call centers and the Web.(World Wide Web)
Vestal, Stan
Call Center Solutions, 18, 2, 102(5)
August, 1999
ISSN: 1521-0774 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2358 LINE COUNT: 00193

... the site/system responsible for personalizing the transaction. The personalization engine looks in the contact **record** to **determine** the customer's profile and recent **transaction** history. Further interrogation of the **enterprise databases** is **performed** , with an attempt to "match" the customer with stored records of previous customers. A match...

23/3,K/16 (Item 2 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

02169046 73438539
The perils and pitfalls of financial risk fiefdoms
Putnam, Bluford
Global Investor n142 PP: 76-78 May 2001
ISSN: 0951-3604 JRNL CODE: GLI
WORD COUNT: 2644

...TEXT: single security transactions means that the risk management tools are neither tuned for portfolio risk **analysis** nor **performance reporting** . Instead, the information systems and **data warehouse** are tuned for **inputting** every trade and **calculating** whatever residual risk or hedge ratios are needed. The risk analysis tools are almost always...

23/3,K/17 (Item 3 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

02103631 65642515
When every second counts
Fraser, Alan; Welch, Bill; Shlemenzon, Yakov
Transmission & Distribution World v52n15 PP: 18-30 Dec 2000
ISSN: 1087-0849 JRNL CODE: TMD
WORD COUNT: 1943

...ABSTRACT: and began collecting and evaluating transmission disturbance characteristics by designing an algorithm for extracting and **recording** only **transmission events** . The power-quality **database** helps users **determine** the source, magnitude and frequency of the power disturbance more effectively. It not only captures...

23/3,K/18 (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00994704 96-44097
AT&T to take net event mgmt. to the MAXM
Duffy, Jim
Network World v12n9 PP: 1, 74 Feb 27, 1995
ISSN: 0887-7661 JRNL CODE: NWW
WORD COUNT: 521

...TEXT: users to view consolidated alarm and event information from the OneVision graphical user interface.

MAX/ **Enterprise** also will **provide** OneVision users a common **database** for **logging** historical **event** data. This **database** can be accessed to **determine** , for example, **occurrences** that preceded a network or system fault and actions that MAX/Enterprise kicked off to...

23/3,K/19 (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

00621466 92-36568
Network and System Automation and Remote System Operation
Irlbeck, B. William
IBM Systems Journal v31n2 PP: 206-222 1992
ISSN: 0018-8670 JRNL CODE: ISY
WORD COUNT: 7330

...TEXT: recording filters that determine the extent of hardware monitor processing for an alert that is **received** . These filters **determine** whether an alert is **logged** as an **event** in the hardware **monitor database** , whether it is **logged** as a hardware **monitor** alert for display on the hardware monitor alerts dynamic panel, whether a text message is...

23/3,K/21 (Item 1 from file: 647)
DIALOG(R)File 647:CMP Computer Fulltext

01239918 CMP ACCESSION NUMBER: INW20010709S0035
Application management Tools - MANAGEMENT AT YOUR SERVICE - - MSPs help oversee inventory, IP verification, QoS and more
STEVE ANTONOFF
INTERNETWEEK, 2001, n 868, PG25
PUBLICATION DATE: 010709
JOURNAL CODE: INW LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: REVIEWS
WORD COUNT: 2814

... the reports look very promising.

Retrieving data from AssetMetrix was acceptably fast, but we were **receiving** data only for a single **monitored** computer. We made no attempt to **determine performance** with thousands of **records** in the **database** .

For anyone who has had to manually inventory computers, AssetMetrix's services make a lot...

18/69,K/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX

0012940007 - Drawing available
WPI ACC NO: 2003-016662/200301
Related WPI Acc No: 2006-341016
XRPX Acc No: N2003-012579
Interactive real-time distributed gaming method involves determining actual play outcome for sporting event and transmitting to remote terminal
Patent Assignee: FERNANDES J M D V (FERN-I); JORDAN K W (JORD-I)
Inventor: DE VEIGA FERNANDES J M; FERNANDES J M D V; JORDAN K W
Patent Family (2 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 20020115489	A1	20020822	US 2000252118	P	20001120	200301	B
			US 2001989258	A	20011120		
US 6840861	B2	20050111	US 2001989258	A	20011120	200505	E

Priority Applications (no., kind, date): US 2000252118 P 20001120; US 2001989258 A 20011120

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20020115489	A1	EN	24	12	Related to Provisional US 2000252118

Alerting Abstract US A1
NOVELTY - A play **prediction** is transmitted to a scoring **database** . An actual play outcome for a sporting **event** is **determined** and transmitted to a remote terminal. Based on the actual play outcome, the play prediction is scored.
DESCRIPTION - An INDEPENDENT CLAIM is included for interactive distributed game.
USE - For interactive real-time distributed football gaming.
ADVANTAGE - Allows game player to submit next play prediction for their field team, easily.
DESCRIPTION OF DRAWINGS - The figure shows the flow diagram of game-player registration and log-on.

Title Terms/Index Terms/Additional Words: INTERACT; REAL; TIME; DISTRIBUTE; GAME; METHOD; DETERMINE; ACTUAL; PLAY; SPORTS; EVENT; TRANSMIT; REMOTE; TERMINAL

Class Codes
International Classification (Main): A63F-013/00, A63F-009/24

File Segment: EngPI; EPI;
DWPI Class: T01; W04; P36
Manual Codes (EPI/S-X): T01-J05B4P; T01-N01B1; W04-X02G

...NOVELTY - A play **prediction** is transmitted to a scoring **database** . An actual play outcome for a sporting **event** is **determined** and transmitted to a remote terminal. Based on the actual play outcome, the play prediction ...

Original Publication Data by Authority

Original Abstracts:
...a method for playing an interactive real time distributed game including

receiving at a scoring **database** a **next** play **prediction** for a sporting **event** from a remote terminal, **determining** an actual play outcome for the sporting event, transmitting an actual play outcome representation to ...

...a method for playing an interactive real time distributed game including receiving at a scoring **database** a **next** play **prediction** for a sporting **event** from a remote terminal, **determining** an actual play outcome for the sporting event, transmitting an actual play outcome representation to ...